

the self taught programmer the definitive guide to programming professionally

The Self Taught Programmer: The Definitive Guide to Programming Professionally

the self taught programmer the definitive guide to programming professionally is a journey that many passionate individuals embark on without formal education in computer science. In today's fast-evolving tech landscape, becoming a professional programmer through self-learning is not only possible but increasingly common. Whether you're switching careers, enhancing your skillset, or pursuing a passion project, understanding how to navigate the vast world of programming on your own terms is essential. This guide aims to provide a comprehensive roadmap, practical advice, and motivational insights to help you thrive as a self-taught programmer stepping into the professional realm.

Why Choose to Be a Self Taught Programmer?

The decision to become a self taught programmer often stems from a desire for flexibility, affordability, and autonomy. Traditional computer science degrees can be expensive and time-consuming, while self-learning offers the freedom to tailor education to your pace and interests. Moreover, the tech industry values skills and results over formal credentials, making it a fertile ground for self-taught developers.

Beyond cost and convenience, self-taught programmers frequently develop a strong problem-solving mindset. Without the structure of a classroom, they learn how to find answers independently—a skill that is invaluable in professional programming scenarios where challenges rarely come with step-by-step instructions.

Advantages of Self-Learning in Programming

- **Customizable Learning Path:** Focus on the languages and technologies relevant to your goals.
- **Hands-On Experience:** Learn by building projects and experimenting rather than just theoretical study.
- **Access to Abundant Resources:** Utilize online tutorials, coding bootcamps, documentation, and forums.
- **Community Support:** Engage with developer communities on GitHub, Stack Overflow, and Reddit.
- **Cost-Effective:** Many high-quality resources are free or low-cost.

Building a Strong Foundation: Core Skills Every Self Taught Programmer Needs

To transition from a hobbyist coder to a professional, mastering foundational programming concepts is critical. The self taught programmer the definitive guide to programming professionally emphasizes depth over breadth in the early stages.

Understanding Programming Fundamentals

Start with one programming language that is widely used and beginner-friendly, such as Python or JavaScript. Focus on:

- Variables and Data Types
- Control Structures (loops, conditionals)
- Functions and Modular Code
- Data Structures (arrays, lists, dictionaries)
- Object-Oriented Programming Concepts

These fundamentals will give you a versatile base that applies across many languages and frameworks.

Version Control and Collaboration

Professional programming is rarely a solo endeavor. Learning version control systems like Git early on is essential. This skill enables you to:

- Track changes and revert code
- Collaborate seamlessly with other developers
- Contribute to open source projects and build a portfolio

Familiarity with platforms like GitHub or GitLab can significantly enhance your employability.

Problem Solving and Algorithmic Thinking

Companies often assess candidates based on problem-solving skills and algorithmic knowledge. Delve into:

- Basic algorithms (sorting, searching)
- Big O notation for efficiency
- Data structures (trees, graphs, stacks, queues)
- Practice coding challenges on platforms like LeetCode, HackerRank, or Codewars

Developing these skills not only helps in interviews but also improves your coding

efficiency and logic.

Creating a Learning Plan That Works

One of the biggest hurdles for self taught programmers is maintaining motivation and direction. Crafting a structured yet flexible learning plan can keep you on track.

Set Clear, Achievable Goals

Break your journey into manageable milestones such as:

- Learning syntax and basics of a language
- Building simple projects (e.g., calculator, to-do app)
- Understanding frameworks relevant to your field (React, Django, etc.)
- Deploying your projects online

Goals should be specific, measurable, and time-bound to help you stay accountable.

Choose the Right Resources

The internet is flooded with tutorials, courses, and books. Select resources that match your learning style:

- Interactive platforms like freeCodeCamp or Codecademy for hands-on coding
- Video tutorials on YouTube or Coursera for guided learning
- Books such as "Eloquent JavaScript" or "Automate the Boring Stuff with Python"
- Documentation and official resources for in-depth understanding

Mixing different formats can keep your learning engaging and well-rounded.

Practice Consistently and Build Projects

Consistency beats intensity. Coding daily—even for 30 minutes—builds muscle memory and reinforces concepts. Apply what you learn through projects that interest you. Projects serve multiple purposes:

- Reinforce knowledge through practical application
- Build a portfolio to showcase your skills to potential employers
- Provide opportunities to learn debugging and testing

Examples include personal websites, small games, or automation scripts.

Navigating the Professional Landscape as a Self Taught Programmer

Landing your first professional programming role without a formal degree can seem daunting but is entirely achievable with the right approach.

Crafting a Portfolio That Speaks Volumes

Your portfolio is your resume in code form. It should highlight:

- Diverse projects demonstrating various skills and technologies
- Clean, readable code hosted on GitHub or similar platforms
- Projects with clear documentation and user instructions
- Contributions to open source or community projects

A strong portfolio often makes a bigger impression than formal education credentials.

Networking and Community Engagement

Building relationships in the tech world can open doors and provide mentorship. Consider:

- Attending local meetups or virtual conferences
- Joining online communities on Discord, Slack, or LinkedIn groups
- Participating in hackathons or coding competitions
- Contributing to open source projects to collaborate with experienced developers

Networking helps you stay updated on industry trends and learn from peers.

Preparing for Technical Interviews

Interview preparation is a critical step. Focus on:

- Practicing coding problems regularly
- Understanding system design basics for senior roles
- Reviewing common behavioral questions and crafting your story
- Familiarizing yourself with the company's tech stack and culture

Mock interviews with friends, mentors, or platforms like Pramp can boost confidence.

Continual Growth: Staying Relevant in a Rapidly

Changing Industry

Technology evolves at a breakneck speed. The self taught programmer the definitive guide to programming professionally is not a one-time effort but an ongoing commitment.

Embrace Lifelong Learning

Stay curious and open to learning new languages, tools, and methodologies. Subscribe to newsletters, follow influential developers on social media, and read tech blogs to keep your knowledge fresh.

Specialize or Diversify

As you gain experience, decide whether to specialize in a niche like web development, mobile apps, data science, or cybersecurity, or to maintain a broad skill set. Both paths have merits and depend on your interests and career goals.

Develop Soft Skills

Technical skills get you in the door, but soft skills keep you there and help you advance. Work on:

- Communication and teamwork
- Time management and organization
- Problem-solving mindset and adaptability
- Receiving and implementing feedback

These skills are essential in collaborative environments.

The Mindset of a Successful Self Taught Programmer

Beyond skills and knowledge, your mindset plays a pivotal role. Being self taught requires resilience, patience, and a growth-oriented perspective.

Embrace Failure as a Learning Opportunity

Programming involves constant debugging and troubleshooting. Instead of getting discouraged by errors, view them as chances to deepen your understanding.

Stay Motivated Through Challenges

Setbacks are inevitable. Celebrate small wins, remind yourself of your goals, and connect with peers who share your passion to maintain motivation.

Value Practical Experience Over Perfection

Don't wait for your code to be flawless before sharing it. Real-world feedback and iterative improvement are more valuable than initial perfection.

Embarking on the path of the self taught programmer is a rewarding adventure that blends discipline, creativity, and continuous learning. By following this definitive guide to programming professionally, you are equipping yourself not just with coding skills, but with the mindset and strategies to build a successful and fulfilling career in technology.

Frequently Asked Questions

What is the main focus of 'The Self-Taught Programmer: The Definitive Guide to Programming Professionally'?

'The Self-Taught Programmer' focuses on guiding beginners through the essential skills and knowledge needed to become professional programmers, emphasizing practical coding skills, problem-solving, and software development best practices.

Who is the author of 'The Self-Taught Programmer' and what is their background?

The author of 'The Self-Taught Programmer' is Cory Althoff, a software engineer with experience in the tech industry who wrote the book to help aspiring programmers transition from self-learning to professional development.

Does 'The Self-Taught Programmer' cover programming languages or just general programming concepts?

The book primarily teaches Python as the programming language but also covers general programming concepts, software engineering principles, and professional development skills that apply across multiple languages.

Is 'The Self-Taught Programmer' suitable for complete

beginners in programming?

Yes, the book is designed for self-taught beginners who want a comprehensive and structured path to becoming professional programmers, starting from basic concepts and advancing to more complex topics.

What professional skills beyond coding does 'The Self-Taught Programmer' emphasize?

'The Self-Taught Programmer' emphasizes skills such as version control with Git, testing, debugging, problem-solving, software design principles, and career advice to help readers succeed in a professional programming environment.

Additional Resources

The Self Taught Programmer: The Definitive Guide to Programming Professionally

the self taught programmer the definitive guide to programming professionally is more than just a phrase; it encapsulates a growing movement in the technology industry. In an era where traditional education pathways are increasingly supplemented by independent learning, many aspiring developers are taking the reins of their own education. This guide explores the journey, challenges, and strategies for those who choose to become professional programmers without formal computer science degrees, shedding light on what it truly takes to thrive in the competitive programming landscape.

The Rise of the Self-Taught Programmer

The technology sector has witnessed a significant transformation over the past decade. According to a 2023 Stack Overflow Developer Survey, nearly 45% of professional developers identify as self-taught or have learned programming primarily through online resources rather than formal education. This trend underscores a shift in how programming knowledge is acquired and valued.

The self taught programmer the definitive guide to programming professionally highlights that modern resources such as Massive Open Online Courses (MOOCs), coding bootcamps, interactive coding platforms, and community forums have democratized access to programming education. The barriers of expensive tuition fees and rigid curricula are being dismantled, allowing motivated individuals to tailor their learning journeys according to their goals and pace.

Why Choose the Self-Taught Route?

Several factors drive individuals toward self-directed programming education:

- **Flexibility:** Self-taught learners can balance coding with other commitments, adjusting their schedules as needed.
- **Cost-effectiveness:** Many high-quality resources are available for free or at a fraction of the cost of university programs.
- **Practicality:** Focusing on current industry technologies and tools often overlooked in academic programs.
- **Rapid skill acquisition:** Bootcamps and self-study allow learners to develop marketable skills in months rather than years.

However, the path is not without challenges. Without structured guidance, self-taught programmers may struggle with gaps in foundational knowledge or lack mentorship opportunities that traditional education provides.

Key Components of Programming Professionalism

Becoming a self-taught programmer is only part of the journey; transitioning from learner to professional requires understanding the broader scope of software development. The self-taught programmer the definitive guide to programming professionally emphasizes not just coding skills but also professionalism in practice.

Technical Proficiency and Continuous Learning

Mastery of programming languages such as Python, JavaScript, or Java is foundational. Yet, professional programmers must also understand algorithms, data structures, version control systems like Git, and software development methodologies including Agile and DevOps. The technology landscape evolves rapidly, demanding an ongoing commitment to learning.

Research from the Bureau of Labor Statistics suggests that software developers who continually update their skills enjoy higher employability and income growth. For the self-taught programmer, this means actively engaging with new frameworks, tools, and industry trends beyond initial learning.

Building a Portfolio and Real-World Experience

One of the most effective ways for self-taught programmers to demonstrate their capabilities is through a well-curated portfolio. This may include:

- Open source contributions

- Personal projects hosted on platforms like GitHub
- Freelance work or internships
- Participation in coding challenges and hackathons

Employers increasingly value demonstrable skills over formal credentials. For instance, LinkedIn data reveals that profiles showcasing personal projects receive significantly more recruiter attention. Moreover, practical experience hones problem-solving skills and familiarity with collaborative development environments.

Overcoming Challenges as a Self-Taught Programmer

The journey of the self taught programmer the definitive guide to programming professionally is fraught with distinctive hurdles. Identifying and addressing these helps maintain momentum and credibility in the field.

Gaining Credibility Without a Degree

Despite the growing acceptance of alternative education paths, many companies and recruiters still prioritize academic qualifications. Self-taught programmers can bridge this gap by obtaining industry-recognized certifications such as AWS Certified Developer, Microsoft Certified: Azure Developer Associate, or Certified Kubernetes Application Developer.

Additionally, networking through online communities, tech meetups, and professional platforms can open doors. Platforms like Stack Overflow and Dev.to allow programmers to showcase expertise and engage with peers, fostering a professional reputation.

Structuring Self-Education Effectively

Without a formal curriculum, self-learners must design their own learning roadmap. The self taught programmer the definitive guide to programming professionally advocates for:

1. **Setting clear goals:** Define what professional role or technology stack to target.
2. **Following a curriculum:** Utilize structured resources from platforms like freeCodeCamp, Codecademy, or university open courseware.
3. **Hands-on practice:** Build projects that solve real problems.

4. **Regular assessment:** Use coding challenges on HackerRank or LeetCode to benchmark skills.
5. **Seeking feedback:** Engage with mentors or developer communities to review code.

This approach mitigates common pitfalls such as knowledge gaps or loss of motivation.

Comparing Traditional Education and Self-Taught Pathways

While traditional computer science degrees provide a comprehensive theoretical foundation, they may lack focus on practical, job-ready skills. Conversely, self-taught programmers can tailor their learning to industry demands but risk missing core computer science concepts.

Aspect	Traditional Education	Self-Taught Programming
Curriculum	Structured, theory-heavy	Flexible, project-focused
Duration	3-4 years	Months to years depending on commitment
Cost	High tuition fees	Often minimal or free
Networking Opportunities	Campus resources, alumni connections	Online communities, meetups
Credential Recognition	Widely recognized by employers	Requires portfolio and certifications
Adaptability	Slower to adapt to new technologies	Highly adaptable

Ultimately, the best path depends on individual circumstances, learning preferences, and career goals.

The Role of Coding Bootcamps and Online Courses

Emerging as a hybrid between traditional and self-taught methods, coding bootcamps offer intensive, short-term training focused on employable skills. Many bootcamps guarantee job placements or provide career coaching, addressing some shortcomings of purely self-directed learning.

Online courses from platforms like Coursera and Udemy provide accessible, modular education that can supplement self-study or traditional programs. The self-taught programmer the definitive guide to programming professionally often recommends combining these resources to maximize learning efficiency.

Essential Soft Skills for Professional Programmers

Technical skills alone do not define programming professionalism. Employers increasingly seek well-rounded candidates with strong communication, teamwork, and problem-solving abilities.

Self-taught programmers can cultivate these soft skills through:

- Contributing to collaborative projects
- Participating in code reviews and pair programming
- Engaging in developer communities and forums
- Practicing clear documentation and writing skills

These competencies complement coding expertise and elevate a programmer's value in the workplace.

The self taught programmer the definitive guide to programming professionally is a narrative of empowerment and adaptability. While challenges exist, the wealth of resources and community support available today has made it more feasible than ever to enter the programming profession through self-education. Success hinges on discipline, strategic learning, and active engagement with the developer ecosystem, proving that with the right approach, self-taught programmers can stand shoulder to shoulder with their traditionally educated peers.

[The Self Taught Programmer The Definitive Guide To Programming Professionally](#)

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quickly found himself overwhelmed by the amount of things he needed to know, but hadn't learned yet. This experience combined with his personal journey learning to program inspired his widely praised guide, *The Self-Taught Programmer*. Now Cory's back with another guide for the self-taught community of learners focusing on the foundations of computer science. *The Self-Taught Computer Scientist* introduces beginner and self-taught programmers to computer science fundamentals that are essential for success in programming and software engineering fields. Computer science is a massive subject that could cover an entire lifetime of learning. This book does not aim to cover everything you would learn about if you went to school to get a computer science degree. Instead, Cory's goal is to give you an introduction to some of the most important concepts in computer science that apply to a programming career. With a focus on data structures and algorithms, *The Self-Taught Computer Scientist* helps you fill gaps in your knowledge, prepare for a technical interview, feel knowledgeable and confident on the job, and ultimately, become a better programmer. Learn different algorithms including linear and binary search and test your knowledge with feedback loops Understand what a data structure is and study arrays, linked lists, stacks, queues, hash tables, binary trees, binary heaps, and graphs Prepare for technical interviews and feel comfortable working with more experienced colleagues Discover additional resources and tools to expand your skillset and continue your learning journey It's as simple as this: You have to study computer science if you want to become a successful programmer, and if you don't understand computer science, you won't get hired. Ready for a career in programming, coding, or software engineering and willing to embrace an always be learning mindset? *The Self-Taught Computer Scientist* is for you.

the self taught programmer the definitive guide to programming professionally: How Things Work Charles F. Bowman, 2021-08-25 It's axiomatic to state that people fear what they do not understand, and this is especially true when it comes to technology. However, despite their prevalence, computers remain shrouded in mystery, and many users feel apprehensive when interacting with them. Smartphones have only exacerbated the issue. Indeed, most users of these devices leverage only a small fraction of the power they hold in their hands. *How Things Work: The Computer Science Edition* is a roadmap for readers who want to overcome their technophobia and harness the full power of everyday technology. Beginning with the basics, the book demystifies the mysterious world of computer science, explains its fundamental concepts in simple terms, and answers the questions many users feel too intimidated to ask. By the end of the book, readers will understand how computers and smart devices function and, more important, how they can make these devices work for them. To complete the picture, the book also introduces readers to the darker side of modern technology: security and privacy concerns, identity theft, and threats from the Dark Web.

the self taught programmer the definitive guide to programming professionally: #Сам себе программист. Как научиться программировать и устроиться в Ebay Кори Альтхофф, 2018-05-19 Перед вами прекрасное руководство для тех, кто хочет научиться программировать и планирует заниматься этим профессионально. Автор книги Кори Альтхофф за год освоил азы программирования и с легкостью устроился разработчиком в Ebay. В книге «Сам себе программист» он рассказывает о своем опыте, трудностях, с которыми пришлось столкнуться, и дает конкретные рекомендации тем, кто только начинает свой путь в IT-сфере. На примере языка Python автор показывает, как буквально с первого урока можно приступить к созданию собственной небольшой программы, а к концу книги уверенно писать код. Помимо этого, вы узнаете, как успешно проходить собеседования на должность программиста в любой IT-компании и перестать сомневаться в собственных силах. Скачать все файлы примеров из этой книги вы можете по ссылке eksmo.ru/files/self_taught_programmer_althoff.zip

the self taught programmer the definitive guide to programming professionally: The Self-Taught Developer's Guide Book Richard Aragon, 2024-06-09 *The Self-Taught Developer's Guide Book* Unlock the power of coding and propel yourself into the world of software development with *The Self-Taught Developer's Guide Book* by Richard Aragon. This comprehensive guide is tailored for

aspiring developers who wish to learn coding on their own terms, without the need for formal education. Whether you're a complete beginner, a self-taught programmer looking to solidify your knowledge, or a professional seeking to expand your skill set, this book is your ultimate companion on the journey to becoming a proficient developer. What You Will Learn: Foundations of Programming: Start with the basics, understand programming languages, and write your first lines of code. Data Structures and Algorithms: Dive deep into essential data structures and algorithms, the building blocks of efficient code. Web Development: Create dynamic websites using HTML, CSS, JavaScript, and popular frameworks. Backend Development: Explore server-side programming, databases, and API development. DevOps and CI/CD: Master continuous integration and deployment with tools like Docker, Kubernetes, and CI/CD pipelines. Mobile App Development: Develop cross-platform mobile applications with React Native and Flutter. Data Engineering: Learn the principles of data engineering, including data pipelines, batch and stream processing, and orchestration tools. Machine Learning and AI: Build and deploy sophisticated machine learning models. Cybersecurity: Protect your applications and data from threats with essential cybersecurity practices. Who This Book Is For: Aspiring Developers: Individuals new to coding who want a structured and comprehensive guide to becoming proficient developers. Self-Taught Programmers: Developers who have learned coding on their own and wish to fill in gaps and gain a more formal understanding of key concepts. Career Changers: Professionals from other fields looking to transition into a career in software development. Students and Educators: Learners and teachers who seek a comprehensive resource covering both foundational and advanced topics in programming and software development. How to Use This Book: Each chapter builds on the previous ones, creating a cohesive learning experience. For beginners, it's recommended to follow the chapters in sequence. Experienced readers can use chapters as standalone references. Practical examples, exercises, and projects are included throughout to reinforce learning and provide hands-on experience. Our Journey Together: Embarking on the journey to become a self-taught developer can be challenging, but with The Self-Taught Developer's Guide Book, you are not alone. This book serves as your guide, mentor, and companion, helping you develop problem-solving abilities, critical thinking, and the confidence to tackle real-world challenges. Join Richard Aragon and unlock your potential as a proficient and successful developer.

the self taught programmer the definitive guide to programming professionally: The Secrets of Image Fusion dengan MATLAB GUI Vivian Siahaan, Rismon Hasiholan Sianipar, 2020-02-17 Kasus 1: IMAGE FUSION DENGAN MATLAB GUI Menggunakan Transformasi Wavelet Diskret Kompleks Dual-Tree Pada kasus ini, Anda akan merancang sendiri, secara bertahap, GUI MATLAB untuk melakukan operasi fusi citra terhadap citra keabuan dan citra berwarna menggunakan metode transformasi wavelet diskret dual-tree. Ada empat jenis derau yang dipakai: Gaussin, Poisson, Salt & Pepper, dan Speckle. Beberapa kontrol GUI MATLAB yang digunakan seperti Axes, Listbox, Table, Push Button, Edit Text, Static Text, dan Panel. Hasil fusi citra (image fusion) kemudian akan ditampilkan secara visual dan enam parameter kinerja: RMSE, PFE, MAE, CORR, SNR, PSNR, akan ditampilkan pada grafik batang. Kasus 2: IMAGE FUSION DENGAN MATLAB GUI Menggunakan Transformasi Wavelet Diskret Stasioner Satu Level dan Dua Level Pada kasus ini, Anda akan merancang sendiri, secara bertahap, GUI MATLAB untuk melakukan operasi fusi citra terhadap citra keabuan dan citra berwarna menggunakan metode Transformasi Wavelet Diskret Stasioner Satu level dan Dua level. Ada empat jenis derau yang dipakai: Gaussin, Poisson, Salt & Pepper, dan Speckle. Beberapa kontrol GUI MATLAB yang digunakan seperti Axes, Listbox, Table, Push Button, Edit Text, Static Text, dan Panel. Hasil fusi citra (image fusion) kemudian akan ditampilkan secara visual dan enam parameter kinerja: RMSE, PFE, MAE, CORR, SNR, PSNR, akan ditampilkan pada grafik batang. Kasus 3: IMAGE FUSION DENGAN MATLAB GUI Menggunakan Metode Dekomposisi Nilai Singular Resolusi Jamak (MSVD, Multi-Resolution Singular Value Decomposition) Buku ini diperuntukkan bagi mereka yang suka keahlian praktis sekaligus mendapatkan keuntungan pengetahuan. Dengan tidak bertele-tele, pada buku ini, Anda akan merancang sendiri, secara bertahap, GUI MATLAB untuk melakukan operasi fusi citra terhadap citra

keabuan dan citra berwarna menggunakan metode Metode Dekomposisi Nilai Singular Resolusi Jamak (MSVD, Multi-Resolution Singular Value Decomposition). Untuk menguji kehandalan metode ini, ada empat jenis derau yang dipakai: Gaussin, Poisson, Salt & Pepper, dan Speckle. Beberapa kontrol GUI MATLAB yang digunakan seperti Axes, Listbox, Table, Push Button, Edit Text, Static Text, dan Panel. Hasil fusi citra (image fusion) kemudian akan ditampilkan secara visual dan enam parameter kinerja: RMSE, PFE, MAE, CORR, SNR, PSNR, akan ditampilkan pada grafik batang.

Kasus 4: IMAGE FUSION Dengan MATLAB GUI: Teknik Fusi Citra Berwarna Berbasis Transformasi Kosinus Diskret Dan Piramida Laplacian Kasus ini diperuntukkan bagi mereka yang suka keahlian praktis sekaligus mendapatkan keuntungan pengetahuan. Dengan tidak bertele-tele, pada buku ini, Anda akan merancang sendiri, secara bertahap, GUI MATLAB untuk melakukan teknik fusi citra terhadap citra keabuan dan citra berwarna menggunakan metode Teknik Fusi Citra Berbasis Transformasi Kosinus Diskret dan Piramida Laplacian. Untuk menguji kehandalan metode ini, ada empat jenis derau yang dipakai: Gaussin, Poisson, Salt & Pepper, dan Speckle. Beberapa kontrol GUI MATLAB yang digunakan seperti Axes, Listbox, Table, Push Button, Edit Text, Static Text, dan Panel. Hasil fusi citra (image fusion) kemudian akan ditampilkan secara visual dan enam parameter kinerja: RMSE, PFE, MAE, CORR, SNR, PSNR, akan ditampilkan pada grafik batang.

Kasus 5: IMAGE FUSION Dengan MATLAB GUI: Teknik Fusi Citra Menggunakan Kriteria Ketajaman Berbasis Gradien Kasus ini dapat dipakai sebagai tutorial bagi mereka yang ingin bereksperimen mengembangkan GUI MATLAB, baik untuk kepentingan penelitian pemrosesan citra digital maupun kepentingan praktis lain. Buku ini dikhususkan bagi mereka yang suka keahlian praktis sekaligus mendapatkan keuntungan pengetahuan. Dengan tidak bertele-tele, pada buku ini, Anda akan merancang sendiri, secara bertahap, GUI MATLAB untuk melakukan operasi fusi citra terhadap citra keabuan dan citra berwarna menggunakan Teknik Fusi Citra Menggunakan Kriteria Ketajaman Berbasis Gradien. Untuk menguji kehandalan metode ini, ada empat jenis derau yang dipakai: Gaussin, Poisson, Salt & Pepper, dan Speckle.

the self taught programmer the definitive guide to programming professionally: MAHIR
Visual C# Dengan Membuat Animasi dan Game Vivian Siahaan, Rismon Hasiholan Sianipar, 2020-02-17 Pada bab pertama, Anda akan belajar bagaimana membangun aplikasi Visual C# dan bagaimana lingkungan pengembangan (IDE, integrated development environment) Visual C# digunakan untuk mengembangkan sebuah aplikasi game sederhana. Pada bab kedua, Anda akan membangun sebuah projek agar anak-anak (orang dewasa) dapat berlatih keterampilan dasar dalam operasi penjumlahan, pengurangan, perkalian, dan pembagian. Projek Game Matematika ini dapat dipakai untuk memilih jenis soal dan apa faktor yang ingin digunakan. Projek ini memiliki tiga opsi pewaktuan. Soal-soal matematika acak menggunakan nilai dari 0 sampai 9 akan disajikan. Opsi-opsi pewaktuan disediakan untuk mengukur akurasi dan kecepatan. Pada bab ketiga, Anda akan membangun sebuah program Ujian Pilihan Berganda. Item-item acak yang diekstraksi dari sebuah file akan ditampilkan pada user. User kemudian memilih item yang cocok. Sebagai contoh, jika sebuah ibukota ditampilkan, maka user akan memilih propinsi yang bersangkutan. Jawaban disajikan dalam pilihan berganda atau diketikkan sendiri oleh user. Pada bab keempat, Anda akan membangun sebuah program game kartu BlackJack. Program ini dapat dipakai oleh seorang pemain untuk melawan bandar komputer. Ide BlackJack adalah untuk mendapatkan skor lebih tinggi dari bandar tanpa melewati poin 21. Kartu-kartu dihitung sesuai nilainya (kecuali kartu Jack, Queen, dan King bernilai 10 dan Ace bernilai satu atau sebelas sesuai keinginan Anda). Jika Anda mengalahkan bandar, Anda mendapatkan 10 poin. Jika Anda mendapatkan BlackJack (nilai 21 hanya dengan dua kartu) dan mengalahkan bandar, Anda mendapatkan 15 poin. Jika bandar mengalahkan Anda, Anda kehilangan 10 poin. Semoga buku ini bermanfaat bagi mereka yang berminat memperdalam pemrograman C#. NET.

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