A Hitchhiker's Guide to Software Careers

See the world through software engineers' shoes

Angela Sun Yanisa Khambanonda



NOTES

Please take our post-workshop survey so we can improve and help even more women in tech!

https://forms.gle/5HS8b25XojTnABkz8



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ENTRY-LEVEL SOFTWARE ENGINEER

Recent Software Engineering graduate with fundamental knowledge of software design, development, and testing. Seeking to utilize broad educational background with excellent analytical, technical, and programming skills to thrive as an entry-level software engineer.

EDUCATION

UNIVERSITY OF TEXAS, Austin, TX

Bachelor of Science in Software Engineering (BSSE), July 2020 Honors: cum laude (GPA: 3.7/4.0) | Dean's List (2018 & 2019)

Relevant Coursework: Java Programming, C++, Data Structures, Object-Oriented Design, Database Management Systems, Information Security, Assembly Language Programming

PROFESSIONAL EXPERIENCE

REDFORD & SONS, Boston, MA

Software Engineer Intern, August 2020-Present

- Employ best coding practices and object-oriented programming techniques to work on different software development projects
- Work as a part of a 5-member team to release and update 10+ custom .net applications for the company clients in health and insurance niches
- Obtain a solid understanding of embedded application development by creating, testing, and deploying applications on custom hardware
- Perform refactoring of student library website's legacy JavaScript codebase, reducing loading time by 80%

SKILLS

- Microsoft Office, Visual Studio, Android Studio, Eclipse
- Visual Basic, C#, ASP.Net, C, C++, Java

PROJECTS

QUICKSILVER BOOKING | Developer

Description: A mobile hotel booking solution for iOS. Pulls and compares the best hotel prices in a geographical area. Used: Swift, Javascript, C++

- Worked across the development lifecycle to build and maintain code
- Developed dynamic components for the app and created a new landing page that streamlined customer experience.
- Built a new feature using Swift to automatically compare competing discount offers.

2022 Software Engineer

New York, NY

Posted Jan 18, 2022 - Requisition No. 99294

APPLY NOW

Bloomberg engineers develop impactful solutions to complex, real-world problems. The software we write is utilized every day by leading business and finance experts worldwide. We roll out new software daily, which encourages our teams to work together on how to best design, build and deploy these systems.

Our training program will teach you the ins and outs of our technology stack and how to be a successful software engineer in our high-energy and fast-paced environment. Training consists of lectures, labs and group projects. You'll become a pro on the Bloomberg Terminal and learn how we do database systems, network communication, real-time data processing, and build UIs. After training, our engineers are prepared to hit the ground running with a strong network of new friends and colleagues.

We'll trust you to:

- Take ownership of the full development cycle
- Partner with clients and other developers to design, build and roll out solutions that will optimize complex workflows
- Understand and efficiently manipulate large datasets
- Make quick, thoughtful decisions
- Be a collaborative member of your team
- Have a strong understanding of data structures and algorithms
- Be an excellent problem solver

You'll need to have:

- BA, BS, MS, PhD in Computer Science, Computer Engineering or related technology field
- Programming experience in C, C++, C#, Java or Python

We are extremely proud of our diverse and open culture, and value diversity of thought and perspective in every form. If you have a degree outside of the above, but still have strong software development skills, then we can teach you the rest.

We're looking for engineers who have a passion for writing reusable, performant



Mission 2: SMART



SMART Questions:

Specific: "Which file should the code be stored in..."

Measurable: "How many users..."

Action-oriented: "Who should lead feature X..."

Relevant: "What features will help...."

Time-bound: "In the next month..."

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Questions? Contact us:

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Find copies of these materials in our GitHub repo:

https://github.com/angelasun2/GHC22

