Larry Joshua Crotts

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GitHub: https://github.com/JoshuaCrotts
Website: https://joshuacrotts.us

Professional Summary:

Entry-level Java software engineer excelling in the Java language and others. Exceptional with object-oriented paradigms, analytical, inquisitive, and detail-oriented. Developed several games and applications from scratch and with partners. Versatile technical leadership combined with effective communication and presentation skills. Remarkable passion for computer science, artificial intelligence, software development, and computer architecture. Currently seeking a software engineering internship, preferably with embedded systems.

Education

University of North Carolina at Greensboro, Greensboro, NC | *August 2018 – May 2022*
Master of Science in Computer Science | *GPA: 4.0/4.0*
- Chancellor's List Fall 2018
- Coursework: Advanced Data Structures, Foundations of CS I/II, Computer Organization/Assembly, Elementary Data Structures & Algorithms

Forsyth Technical Community College, Winston-Salem, NC | *August 2017 – July 2018*
Transfer Degree | *GPA: 4.0/4.0*
- President's List Fall 2017, Spring/Summer 2018
- Coursework: Introduction to Computer Science, Data Structures & Algorithms (C++)

Walkertown/Career Center High School, Winston-Salem, NC | *August 2013 – June 2017*
High School Diploma | *GPA: 4.633*
- Salutatorian, Honors Graduate, Junior Marshal, Recipient of the Montague Award
- Advanced Placement Computer Science A/Principles, CISCO Network Engineering 1 & 2

Experience

Walkertown Family Pharmacy, Walkertown, NC | *October 2016 – Present*
Computer/Pharmacy Technician
- Created a Google Sheets and Google Apps Scripts (JS, SQL) medicine query application where customers input a specific drug, quantity, and our competitive prices compared to other pharmacies are displayed.
- Assisted in counting pills for prescriptions ready to be filled. Restocked shelves, thereby decreasing clutter and improving productivity.
- Worked with several pharmacists and the owner to increase advertising potentials, as well as to create and improve effectual communication with pharmacy technicians and customers alike.
- Quickly and accurately typed addresses for delivery, created simplistic Google Forms and Sheets for invoice reports, formatted documents, and troubleshooted technology at the pharmacy such as scanners, computers, printers, etc.
- Technical diagnoses reduced downtime and increased profitability margins.
- Conducted inventory management encompassing floor stock (standard items for purchase) and cleaning the overstocked medications in the back to organize the pharmacy's inventory management software.
- Received the Pharmacy Technician License by the North Carolina Board of Pharmacy (NCBOP.org), authorizing the ability to handle medicine and prescriptions (inclusive of controlled substances).

Age-Wiser/TechStar Tutors, Winston-Salem, NC | *March 2018 – Present*
Information Technology Tutor
- Traveled to various locations to meet with clients to address [their] computing problems, diagnose errors (hardware and software alike), or tutor them in an aforementioned topic.
- Improved company morale by acting in accordance to respectful and customary ordinances, thereby spreading positive feedback and increasing customer potential and quantity.

Technical Skills

Programming Languages
- Experienced in: Java, C++, C, Python
- Additional experience in: Assembly, C#, Swift, SQL, JavaScript, Google Apps Script

Tools: Visual Studio, Eclipse, NetBeans, Git, Vim, Microsoft Office, IntelliJ, Packet Tracer, Google Suite, XCode
OS: Windows, Mac OS, Linux (Ubuntu, Mint)

Computer Science Interests

- High-Performance and Parallel Computing (C, CUDA, OpenMPI, Julia)
- Embedded Software Engineering (C, Assembly), Bit Manipulation
- Microprocessor Design/Creation/Optimization
- Computer Vision (Python, Julia)
- Compiler Design
- Artificial Intelligence
- Advanced Algorithm Development and Analysis
- Collision Detection and Avoidance
- Approximation
- Compression
- Hashing

References

- References available upon request.