Charles H. Crum, III

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Education

George Mason University – Fairfax, Virginia (2019-2022)
Bachelor of Science in Computer Science

Relevant coursework: Operating Systems, Data Structures, Analysis of Algorithms, Computer Vision, Blockchains and Cryptofinance, Software Engineering, Secure Programming

Skills

Programming: Java, Python, C, C++, C#, Haskell, Lisp
Operating Systems: Windows, Unix, Linux
Applications: Git, Unity, Microsoft Suite, Adobe Creative Suite, Apache Tomcat, Oracle, TeamDynamix
Other Skills: Agile, SQL, .NET Framework, OpenCV, OpenSSL, scikit-learn, NumPy, SciPy

Related Projects

Company Database and Android App, Database Concepts   September-December 2022
- Collaborated with a group of three teammates to implement database and supporting application
- Developed server to communicate with SQL database using Apache Tomcat and Java libraries
- Integrated Android application to allow users to retrieve information from the database
- Followed specifications to ensure product met client's needs

Thread Synchronization, Operating Systems   October 2022
- Designed and implemented system for synchronizing program threads at the operating system level
- Tested and debugged software in a Linux environment with GNU Debugger

Discord Bot for Audio and Visual Distortion, Software Engineering   February-May 2022
- Collaborated with two other teammates to design and implement chat bot
- Integrated programs written in Python and C to manipulate image and audio data
- Documented progress and design changes in an Agile development environment

Work Experience

George Mason University – Fairfax, VA
Classroom Technologies Assistant, Aug 2021 – Present
- Work with a team of technicians to ensure the continued operation of 300 learning spaces
- Log incidents and services daily with workflow management software TeamDynamix
- Provide technical assistance and training to professors and other customers at client request
- Solve technical problems over the phone and in person
- Perform technology maintenance daily and manage inventory

Goodwill Industries of the Valleys – Charlottesville, VA
Sales Associate/Sales Lead, Aug 2018 – Jun 2019
- Worked with a team of sales associates to ensure smooth operation of the business
- Stocked shelves and hung clothes
- Rang up customers' purchases and answered customer questions
- As a sales lead: managed a shift of sales associates and counted registers
- Provided training and guidance to other sales associates

Activities

- Served as Treasurer, then President of Student Game Developers
- Directed a team to develop a computer game using Unity as a member of Student Game Developers
- Recruited potential members for political organizations, and collected data for political campaigns