R/D Rusty Dotson

Computer Scientist

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ABOUT ME

Talented Junior Software Developer skilled at completing daily assignments and contributing to team success. Always willing to take on any task. Adapts quickly to new needs and policies. Learned two languages, traveled and studied throughout Japan, and has contributed to software that benefits thousands of students and hundreds of universities.

SKILLS

- Python
- C++
- C (Arduino)
- Git/Source Control
- Data Structures
- Linux (Fedora, Ubuntu)
- Algorithms
- Data Collection
- Pair Programming
- Java (Currently Learning)
- SQL (Currently Learning)

EDUCATION

Computer & Information Science

Berea College

2016 - 2020

Asian Studies (Minor)

Berea College

2016 - 2020

3.686 Cumulative GPA

Education paid for 100% through a combination of work and scholarship

EXPERIENCE

Computer Science Teaching Assistant

Berea College / Berea, KY / August 2017 – May 2020

Manage classes and assess hundreds of students through classwork in data structures, software design and implementation, and more.

- 900+ hours of experience
- Improved at analyzing code created by others
- Learned communication and teamwork alongside co-workers

Open Source Contributions

Runestone Interactive / Online / June 2019 – August 2019

Experience in editing and creating new content for open-source interactive data structures textbooks used by thousands of students and over 200 Universities.

- 320+ hours of experience
- Edited and critiqued two open source data structures textbooks
- Improved skills in Python, C++, and reStructuredText

Relevant Coursework & Projects

Software Design and Implementation - Data Structures - Open-Source Software Engineering - Augmented Reality - Computational Intelligence - Discrete Mathematics - Computational Complexity - Electricity and Electronics - Embedded Systems

Visualized a hybrid between the sand pile and forest fire models of self-organized criticality using python graphics. (https://github.com/RustyDotson/SPFFH)