Josh Kolasch

Contact

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Education

Washington State University / Bachelor of Science in Computer Science 2016

- Graduated Cum Laude **3.54 GPA**

Columbia Basin Community College / Associate Transfer Degree 2010

Experience

Embedded and Pervasive Systems Lab / Undergraduate Researcher
June 2016 - August 2016, Pullman, WA

- Implemented new features on a health monitoring app including the addition of a machine learning component.
- Performed data collection for measuring the improvement of a module for approximating string comparisons.

Washington State University / Computer Science 121 Teaching Assistant
August 2016 - December 2016, Pullman, WA

- Taught lab sessions, graded exams and assignments, elaborated on key concepts covered in lecture.

Advanced Protection Services / Electrical Apprentice
June 2012 - June 2013, Pasco, WA

- Interacted with all construction disciplines in an effort to provide customer oriented service.
- Installed and maintained camera, fire, and security systems.

Skills

Languages:

- C/C++ (Fluent)   C#, Java, SQL (Competent)   PHP, HTML5 (Familiar)

Programs & Operating Systems:

- Microsoft Visual Studio, Android Studio, MySQL, Git, Maya, Full-Stack (LAMP), Bootstrap
- Microsoft Windows, UNIX/Linux

Leadership:

- Team lead of five students for year-long senior design project and volunteered to present in front of Electrical Engineering and Computer Science advisory board.

Projects

Senior Design Project - Speech2Health Mobile Framework

- Led Android app development which interacts with a machine learning unit and a Natural Language Processing module to assist users with chronic health issues.

Testing Framework for EXT2 File System

- Automated for testing key functions such as mkdir, ls, cat, and read using gcc executable.

Hackathon RouteFinder App

- Processed rock climbing route images to highlight routes in 24 hour event.