Christopher Hersh

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Education

Bachelor of Science, Software Engineering - Expected May 2016

Shippensburg University of Pennsylvania, Shippensburg, PA

GPA: 3.5

Work Experience

Intern Web Developer   Jan 2013 - May 2013

WebpageFX

- Assisted the full time developers with creating new web sites
- Used WordPress, Joomla, and custom Content Management Systems to update and modify web sites

Computer Science Tutor   Sep 2014 - Dec 2014

Shippensburg University

- Helped peers understand various concepts, which helped me understand them more deeply
- Learned how to listen to others deeply enough to offer them help with their problems

Student Developer   Jan 2014 - Present

Shippensburg University

- Created new functionality in Drupal site through the use of modules while working on a team using GitLab
- Did extensive research into getting a potential software solution working on our servers
- Worked on the backend for CentOS, Ubuntu, and RedHat servers through ssh

Notable Projects

Primality (Haskell) - Distributed and multithreaded prime finder
- Able to be distributed among any number of computers using any number of threads
- Can use the computer's GPU through OpenCL for increased performance

Large Scale Architecture Project (Java) - Layered backend with MySQL persistance
- Had to create a layered system that handled various mocked user actions
- Had to deal with real time data persistance (rollbacks, laziness, multiple users)
- Had to work with a team of 4 other people using Agile methods

Text-based card game (Java) - Team project for Design Patterns in softmore year
- Worked in a team of 4 other people using Agile methods
- Each member created a card game which were joined together as a single program
- Used Agile methods with SVN on SourceForge

Distributed File System (Java) - Final project for Large Scale Architectures class
- Worked with one other person using Git with Agile methods
- Used Amazon's cloud services to run the server and the MySQL database

Technology

Proficient with: Java and Python

Working Knowledge with: C, C++, Javascript, PHP, Haskell, Oracle DBMS, MySQL

Experience with managing remote headless Linux servers over ssh

References available upon request