

# Christopher Hersh

920 Macungie Avenue , Emmaus, PA 18049 , 484-602-6989  
GitHub: ChrisHersh , Chris@ChrisHersh.com

**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 2015 - Dec 2015  
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 persistence

- Had to create a layered system that handled various mocked user actions
- Had to deal with real time data persistence (rollbacks, laziness, multiple users)
- Had to work with a team of 4 other people using Agile methods

**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

**Text-based card game (Java)** - Team project for Design Patterns in software 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

**Technology** Proficient with: Java and Python

Working Knowledge with: C, C++, C#, ASP.NET, Javascript, PHP, Haskell, Oracle DBMS, MySQL, Postgres

Experience with managing remote headless Linux servers over ssh