Maxwell Pietsch

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Education

University of South Florida
Bachelor's Degree in Computer Science
3.8 Engineering GPA, 3.1 Overall GPA
Graduating December 2016

Skills

Languages	C++, C, Java (Eclipse), Python
Web Technologies	PHP, HTML, CSS, Bootstrap, jQuery
Databases	PostgreSQL, MySQL
Operating Systems	Windows, Linux (Ubuntu)
Other	Bash, Git, JUnit, Android

Work History

USF College of Public Health — April 2016 - Present
Student Assistant
- ➢ Wrote an RNA-seq pipeline in Python and Bash for a bioinformatics group

USF Department of Computer Science and Engineering — August 2015 - December 2015
Student Assistant
- ➢ Wrote PHP script to generate 2d and 3d animated visualizations of PostgreSQL data.
- ➢ Refactored large codebase using object-oriented approach. Reduced one Javascript segment from 445 lines to 15 lines.

USF College of Pharmacy — April 2015 - August 2015
Student Assistant
- ➢ Taught myself how to make a webpage (Linux, PHP, HTML, CSS) and database (MySQL) to query and display pharmaceutical data.
- ➢ Bridged co-workers script with MySQL database using Python
- ➢ Co-authored "A novel algorithm for analyzing drug-drug interactions from MEDLINE literature"

Extracurriculars

Code for Tampa Bay	Developing a court date notification app for the homeless
IEEE - Computer Science Club	Vice President over Summer 2015 Hosted club meetings and a Linux workshop