

TYLER P. WALKER

Software Developer & Leader | GitHub: t-walker | codertwalker.com | twalkerweb@gmail.com

Education

Washington State University | August 2012 – Current
Bachelor of Science, Computer Science

GPA: 3.0
Graduating: May 2017

Skills and Proficiencies

Programming Languages: C/C++, C#, Python, Bash, Ruby, Java, SQL, JavaScript, Go.
Frameworks and Tools: *Git, Flask, AngularJS, Ruby on Rails, PostgreSQL, MySQL, Wireshark, Docker.*
Relevant Classes: *File Systems, Databases, Advanced Data Structures, Software Design Principles I, II, III.*

Work Experience

Goldman Sachs, Jersey City, NJ
Summer Technology Analyst

June 2016 – August 2016

- Engineered front-end applications using AngularJS and built service end-points using a Java API suite.
- Served as lead on a team of four technology analyst interns; focused on task assignment and timelines.
- Developed internal web applications for the Office of Global Security and the Accounting Services team.

Washington State University, Pullman, WA
Software Developer | Center for Advanced Studies in Adaptive Systems

February 2015 – Current

- Developed an Amazon Alexa skill to provide users information about residents in our smart environments.
- Created a knowledge engine that converts live machine learning data from smart homes into human terms.

Washington State University, Pullman, WA
Software Developer | School of Electrical Engineering and Computer Science (EECS)

January 2015 – May 2015

- Developed a web application using Ruby on Rails to sort incoming CS students into classes based on skills.
- Maintained and wrote the schema for a PostgreSQL database to store all the student and testing data.

Washington State University, Pullman, WA
Software Developer | Bioinformatics and Computational Biology Group

January 2015 – May 2016

- Developed a desktop application using Python Qt for USDA-ARS researchers studying antibiotic resistance.
- Ported an application that builds graph clusters from its native Microsoft Windows to macOS.

Washington State University, Pullman, WA
Teaching Assistant | School of Electrical Engineering and Computer Science (EECS)

June 2014 – December 2014

- Taught a lab section for 30 students taking *Introduction to Algorithmic Problem Solving* using Python.
- Taught a lab section for 20 students taking *Introduction to Data Structures* using C/C++.

Community Service and Leadership

Association of Computing Machinery (ACM) of WSU | *Executive Chair*

Crimson Code Hackathon | *Executive Chair*

Computer Security Group | *Executive Chair*

Information Security Unlocked | *Co-Founder & Board Member*

Combined Community Response Team for Gender-Based Violence at WSU | *Team Member*

President's Commission for Gender Identity and Sexual Orientation at WSU | *Commission Member*