# TYLER P. WALKER

Software Engineer | twalkerweb@gmail.com | [redacted] | www.codertwalker.com

## Education

**Washington State University | *August 2012 – December 2017***
*Bachelor of Science, Computer Science*

## Technical Competencies

Programming Languages: *C/C++, C#, Python, Bash, Ruby, Java, SQL, Typescript, JavaScript, Go, Lisp/Scheme*
Frameworks and Tools: *Git, Flask, Angular, RabbitMQ, PostgreSQL, Nginx, Docker, Travis-CI, Jenkins, Linux*

## Work Experience

**Goldman Sachs, Jersey City, NJ**
**Summer Technology Analyst, Human Capital Management Technology**
June 2017 – August 2017

- Implemented a templating system for digital offer letters to eliminate redundant work by global HCM recruiters.
- Engineered a tool to store employee feedback after job interviews, ensuring information is structured and useful.
- Developed micro-services used by other teams that interfaced with services provided by external vendors.
- Supervised a team of four interns, providing training for proprietary systems and resources within the company.
- Successfully integrated services created by external engineers to automate the process of scheduling interviews.

Technology Stack: Java's Jersey/JAX-RS, Angular, JavaScript, SQL, MyBatis, Java Spring

**Goldman Sachs, Jersey City, NJ**
**Summer Technology Analyst, Human Capital Management Technology**
June 2016 – August 2016

- Designed and implemented an employee self-service system to register visitors across all 63 global properties.
- Created a full-stack web application for senior staff across the firm to manage permissions on financial systems.
- Reduced technical risks associated with executing SQL queries on production databases by general IT staff.
- Communicated with senior management and division leaders on project timelines and implementation choices.

Technology Stack: Java's Jersey/JAX-RS, Angular, JavaScript, SQL, jQuery, Twitter Bootstrap

**Washington State University, Pullman, WA**
**Technical Assistant III | Center for Advanced Studies in Adaptive Systems (CASAS)**
February 2015 – Current

- Developed an Amazon Alexa skill to provide users with the ability to ask real-time questions about residents.
- Designed a system to unify responses to requests and queries made from a variety of voice-activated assistants.

Technology Stack: Amazon Alexa API, Amazon Lambda, Python, Flask, PostgreSQL, RabbitMQ

**Washington State University, Pullman, WA**
**Technology Assistant III | School of Electrical Engineering and Computer Science (EECS)**
June 2014 – November 2016
Teaching assistant for *Introduction to Data Structures* (C/C++), entry level programming (Python), and Software Engineering Principles I (Python, JavaScript). Assisted in the design of term-long projects for 300-level students and served as guest lecturer teaching version control, continuous integration/deployment, and micro-service architectures.

- Developed a front-end wrapper for a CLI python application to increase usability for publishing USDA scientists.
- Investigated vulnerabilities of residential smart meter devices and the implications they have on 'smart' cities.

Technology Stack: Python, C/C++, Ruby on Rails, Python Qt

## Community Service and Leadership

InfoSec Unlocked, 501c3 | Executive Director *(2017-)*
Association of Computing Machinery of WSU| *Former Executive Chair (2013-2017)*
Crimson Code Hackathon of WSU | *Principal Organizer & Volunteer Coordinator (2013-2017)*
Electronic Rights Rainier, 501c3 | *Founding Board Member and Digital Privacy Policy Analyst (2016-2017)*
Combined Community Response Team for Gender-Based Violence of WSU| *Former Member (2016-2017)*
President's Commission for Gender Identity and Sexual Orientation | *Former Commission Member (2014-2016)*