TYLER P. WALKER

Software Engineer | twalkerweb@gmail.com | www.codertwalker.com

# Work Experience

SAP Concur, Bellevue, WA

Software Design Engineer I | UI Engineering

February 2018 – current

* Developed an application that streamlined onboarding to the SAP Concur expense product for smaller companies
* Implemented a new suite of automated browser tests using Cypress to add confidence to our integration tests
* Investigated and resolved application performance issues which led to 6x faster rendering in the browser
* Developed user interfaces in a decoupled environment where data dependencies are mocked per environment
* Contributed to the GraphQL layer which simplified the communication between multiple internal APIs
* Served as rotating scrum master to facilitate work being done by the team in two-week sprints
* Hosted board game lunches and participated in hackathons to support camaraderie throughout the group

Technology Stack: Node, React, Redux, GraphQL, ASP.NET

Goldman Sachs, Jersey City, NJ

Summer Technology Analyst | Human Capital Management Technology

Summer 2016 and Summer 2017

* Implemented a templating system for digital offer letters, eliminating a handful of manual and redundant tasks
* Built an application to store and track structured employee feedback after conducting interviews with candidates
* Designed and implemented an employee self-service application that allowed them to register their visitors
* Developed an application that managed permissions on financial databases, replacing the dangerous task of manually executing SQL queries on production systems
* Participated in multiple discussions with senior leaders advocating for LGBT and women in technology

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

Washington State University, Pullman, WA

Technology Assistant | School of Electrical Engineering and Computer Science

June 2014 – November 2016

* Teaching assistant for Introduction to Data Structures (C/C++) and Introduction to Programming (Python)
* Developed a graphical interface on top of a python application allowing users to visually analyze DNA samples
* Developed an Amazon Alexa skill and system which queried real-time data from smart home environments

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

# Speaking Engagements

Amazon Tools in Smart Environments, CASAS Smart Homes January 2018

Automated Testing using Cypress, Seattle ReactJS May 2018

React Performance Monitoring and Optimization, Seattle ReactJS October 2018

# Education

Washington State University | December 2017

Bachelor of Science, Computer Science

# Community Service

InfoSec Unlocked, 501c3 | Deputy Director (2017 - Current)

Combined Community Response Team for Gender-Based Violence at WSU | Member (2016-2017)

President’s Commission for Gender Identity and Sexual Orientation | Commission Member (2014-2016)