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)