

EDUCATION

University of California, Irvine Expected March 2019
B.S. in Computer Science GPA 3.6

EXPERIENCE

Software Engineer Intern @ Procore Technologies

July 2018 – Present

- Built CoreOverflow, an internal tool for engineers to ask/answer questions about issues pertaining to Procore development, and deployed it using Apex Up with AWS Lambda & DynamoDB
- Resolved tickets in JIRA and created pull requests in Git concerning frontend UI fixes using React and Redux to fit the company's CORE design requirements
- Improved software usability by integrating internalization to the budgeting tool
- Minimized loading time for the finance tool by reducing unnecessary calls to Procore's API
- Practiced agile in 2 week sprints with a team of 6 consisting of a designer, product manager, and other engineers

Software Engineer Intern @ Adigami

April 2018 – June 2018

- Optimized code by writing a parser that better handles data received from the Adigami API, then visualizing that data using the Chart.js API
- Wrote RESTful endpoints in Ruby to retrieve a connection's metrics from a MySQL database
- Participated in agile development and wrote requirements/sprint reports for pushing features

Software Engineer Intern @ The Portal

October 2017 – April 2018

- Utilized the AWS SDK package to build securely hashed RESTful routes for sending dynamic emails, handling client documents, and conducting payment requests
- Engineered code in React and deployed the use of Redux and Axios to connect frontend views with backend servers for uploading, previewing, and download documents
- Integrated online payments in Node.js and Express.js using the Stripe API
- Reduced server overhead by eliminating existing N + 1 queries in PostgreSQL
- Conducted QA by testing features on opened Git pull requests

Programming Instructor @ iD Tech

May 2017 – September 2017

- Developed projects in C++ for lecturing students on basic cryptography and cyber security
- Assisted other instructors in Python and Java courses

SKILLS

Languages: Javascript (ES6), HTML, CSS, Python, C++, Java

Front-End: React, React Native, Redux (thunk/sagas/loops), jQuery, EJS, ERB, Bootstrap

Back-End: Node.js, Express.js, Ruby on Rails, Django, PostgreSQL, MySQL, MongoDB, DynamoDB

Knowledge: AWS, Git, Sequelize, Mocha, Chai, RESTful API, Web Sockets, Agile Development

PROJECTS

Save – Cross-platform mobile application for managing budgets and recording finances

Technologies: React Native, Redux (thunk), Node.js, Express.js, Sequelize, PostgreSQL

Fablix – Interactive website that allows search through a large database of modern movies

Technologies: React, Redux (sagas), Apache Tomcat, MySQL, Axios

Swerve – Search engine that employs information retrieval techniques to retrieve URLs from an inverted index

Technologies: Javascript, HTML, CSS, Python, Django

Acelt – Web application that uses speech recognition and tone analytics from the IBM Watson API to help students prepare for interviews

Technologies: jQuery, HTML, CSS, SASS, Node.js, Express.js, Sequelize, PostgreSQL, Mocha, Chai

Minder – Social media website for connecting and chatting with friends

Technologies: jQuery, HTML, CSS, Node.js, Express.js, Mongoose.js, MongoDB, Web Sockets

For more projects, please visit www.github.com/eltonxue