Justin Chung

510-861-5864 | Hayward, CA 94545 | justin.chung.zsl@gmail.com | justinchung.github.io

Education

University of California, Irvine   Sep 2014 – Jun 2018
B.S. in Computer Science   GPA: 3.332

Experience

SAP SuccessFactors   **South San Francisco, CA**
Software Developer   May 2018 – Present

Illumina, Inc.   **Hayward, CA**
Manufacturing Technician   Sep 2018 – Present
- Developed data processing, mining, and analysis tools in Python to assist management decisions and increase manufacturing productivity
- Performed extensive modular testing and troubleshooting on integrated genome sequencing instruments
- Spearhead efforts to enhance, achieve, and sustain 6S efforts to increase efficiency and productivity at Illumina

Ovanah
Software Engineer Intern   Jan 2019 – Apr 2019
- Develop UI and app interface for customer-facing e-commerce platform using JavaScript and ReactJS
- Translate design team's UI/UX mockups into responsive, interactive features by utilizing JSX and Material UI
- Increase code modularity and readability by refactoring existing code base using modern ReactJS practices
- Improve overall code production and quality with weekly standup meetings and code reviews, using Agile methodology with Scrum framework

University of California, Irvine   **Irvine, CA**
Research Assistant   Jan 2018 – Jun 2018
- Implemented a command-line interfaced Minesweeper shell in Python, Java, and C++ for a college-level artificial intelligence course
- Led project to completion two weeks before scheduled deadline with a 90% approval user rating

Projects

JC Studio (*in progress*)
Full-stack music sequencer and production web application using MongoDB, Express, ReactJS, and Node.js
- Leveraged ReactJS two-way binding to create a modular and responsive UI across multiple components
- Employed Web Audio API and ReactJS event handlers to enable time-critical audio scheduling
- Developed RESTful API to support user's custom sound configurations using Express and MongoDB

Fabflix
Full-stack web application for purchasing movies made with Java, JavaScript, MySQL, and HTML5
- Scaled and maintained remote large databases with load balancing and replication on AWS using Java and MySQL
- Reduced search latency by conducting performance tests using Apache JMeter and connection pooling
- Implemented user authentication, session storage, and browse features by leveraging JDBC

Search Engine
Command-line interfaced search engine inspired by Google's search engine written in Python
- Developed a crawler to obtain the structure of UCI's website and create a web graph using BeautifulSoup
- Built a ranked inverted index of word-document mappings by analyzing link structure and word frequency
- Implemented search feature that returned the most relevant web pages based on a user-defined query

Technical Skills

Programming: Python | Java | JavaScript | ReactJS | HTML5 | CSS | SQL
Tools: Git | NPM | Agile | Scrum