

# Stewart Dulaney

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## EDUCATION

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<b>University of California, Los Angeles</b>	<b>B.S. Computer Science</b>	<b>Expected June 2021</b>
<ul style="list-style-type: none"><li>• <b>Core Coursework:</b> Data Structures, Algorithms, Operating Systems, Computer Networks, Programming Languages, Software Engineering</li><li>• <b>Electives:</b> Database Systems, Scalable Internet Services, Security, Data Science, Data Mining, Machine Learning for IoT, Artificial Intelligence, Secure Software Design and Development</li></ul>		

## EXPERIENCE

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<b>Software Engineering Intern</b>	<b>RingCentral</b>	<b>Summer 2020</b>
<ul style="list-style-type: none"><li>• Built system for generating test accounts for the back-end service Calendar Presence Component (CPC) using Java, Gradle, JUnit, Spring, GitLab CI, AWS CloudFormation, and AWS CloudWatch.</li><li>• Implemented recovery email authorization in Google OAuth library using Java, Selenium, and Docker.</li><li>• Implemented unit tests for the CPC REST API using Python, the unittest framework, and Swagger.</li><li>• Migrated CPC CI/CD using Jenkins, Nexus, GitLab CI, AWS CLI, Kubernetes, and Helm.</li></ul>		
<b>Software Engineering Intern (Cancelled)</b>	<b>Google</b>	<b>Summer 2020</b>
<ul style="list-style-type: none"><li>• Internship with the Chrome OS Security team cancelled due to the COVID-19 pandemic.</li></ul>		
<b>Software Engineering Intern</b>	<b>Quickey</b>	<b>Fall 2019</b>
<ul style="list-style-type: none"><li>• Developed back-end account syncing feature with Firebase for a tab launcher chrome extension with 500,000+ tabs launched and 2,100+ weekly active users.</li></ul>		
<b>Software Engineering Intern</b>	<b>Tumblr</b>	<b>Summer 2019</b>
<ul style="list-style-type: none"><li>• Implemented and deployed front-end for Docker registry using Docker and Kubernetes.</li><li>• Built Golang utilities to queries infrastructure systems and calculate BIND DNS request latency.</li><li>• Built Python Kubernetes microservices to support automation of schema changes, cloning of slaves, and master promotions for Tumblr's large MySQL database topology and range-based sharding scheme.</li></ul>		
<b>Lead Software Engineering Intern</b>	<b>Logos News</b>	<b>Winter 2019</b>
<ul style="list-style-type: none"><li>• Co-lead a startup team building a news app and ported functionality from iOS to web using Angular and Firebase.</li></ul>		

## PROJECTS

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- **Refume (2020)**, A web app that matches immigrants with mentors and helps them establish their lives, built with a focus on security. [Ruby on Rails]
- **TaxiGo (2020)**, A machine learning model for predicting taxi ride duration. [NumPy, Pandas, Matplotlib, scikit-learn, TensorFlow]
- **GitRecruiter (2018)**, A web app that matches developers with jobs. [Node.js, Express, MySQL, Sequelize, GitHub API, Bootstrap]
- **SlickBooks (2018)**, A web app for managing a company's accounting online. [PHP, MySQL, PHP Sessions]
- **ZG Dialer (2017)**, A web app/Chrome extension which allows users to leave pre-recorded voicemails. [Express, Twilio API, Zapier API]

## SKILLS

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- **Languages:** C++, Java, Python, JavaScript, TypeScript, PHP, Go, Swift, Ruby, Bash, HTML, CSS, SQL
- **Technologies:** Git, Unix/Linux, Express, Flask, Rails, Docker, Kubernetes, GraphQL, AWS, Jenkins, Puppet

## AWARDS

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- **Stanford TreeHacks (2019), Winner - Best Awareness Hack, Top 8 finalist out of 181 teams.** BubblePop, A mobile app that gamifies meeting people outside of your echo chamber. [Swift, ARKit, Twilio API]
- **UCSC CruzHacks (2019), Winner - 2<sup>nd</sup> Place, Best Use of Google Cloud Platform.** Iris, A virtual assistant/wearable device that helps Alzheimer's patients combat memory loss. [Raspberry Pi, webcam, Flask, Firebase, Angular, Microsoft Azure Face API]
- **UCSB SB Hacks (2019), Runner-up Best Use of Google Cloud Platform.** Heart.io, A web app that makes medical diagnoses more accessible. [Flask, TensorFlow, Google Cloud ML Engine]
- **UCR MLH Local Hack Day (2018), Winner - Best Microsoft Azure Hack.** Summarize, A web app to help students "hack" their studying experience. [React, Node.js, Express, Microsoft Azure API]
- **Valley Hackathon (2018), Winner - 2<sup>nd</sup> Place.** GlenDaily, A web app for Glendale community outreach. [Node.js, Express, Handlebars.js, Bootstrap]