

# Stewart Dulaney

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## EXPERIENCE

- UCLA DevX (Quickey), Back-end Software Engineer** 10/2019 – present
- Developing back-end features with Firebase for a tab launcher chrome extension with 500,000+ tabs launched and 2,100+ weekly active users.
- Tumblr, Software Engineering Intern - SRE Systems, SRE Database** 06/2019 – 09/2019
- Implemented and deployed front-end for private docker registry using Docker and Kubernetes.
  - Built Golang utility that queries multiple infrastructure systems in order to find provisionable nodes to add to the Kubernetes cluster.
  - Built Golang utility to calculate BIND DNS request latency by source IP and record type for the team's SLI using the gopacket library.
  - 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.
- Logos News, Lead Software Engineering Intern - Full Stack Web** 01/2019 – 03/2019
- Co-lead a team of developers in building a crowdsourced news application.
  - Port functionality of the iOS app to a web application using Angular and Firebase.
  - Create detailed software development plans and assign tasks to fellow interns.

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## EDUCATION

University of California, Los Angeles Expected June 2021  
B.S. Computer Science

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## PROJECTS

- GitRecruiter** 06/2018 – present
- A web application that matches software developers with job listings based on their location and experience with specific programming languages and frameworks, pulled from their public GitHub profiles.
  - Built Node.js server with Express.js, integrated MySQL database using Sequelize, designed schemas to store user data, and fetched profiles using the GitHub API.
- SlickBooks** 07/2018 – 08/2018
- A web application for managing a company's accounting online.
  - Built server with PHP, integrated MySQL database using mysqli, designed schemas to store transaction data, implemented user authentication using PHP sessions, and developed responsive dashboard using Foundation.
- ZG Dialer** 09/2017 – 12/2017
- A VOIP web application and chrome extension which allows users to click to dial and leave pre-recorded voicemails. Implemented endpoints using Express.js and integrated with the Twilio API and Zapier Webhook API.

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## SKILLS

- C++, JavaScript, PHP, Python, Golang, Swift, Ruby, SQL, Git, Bash, Unix/Linux, Jenkins, Puppet, HTML, CSS

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## AWARDS

- TreeHacks, Winner - Best Awareness Hack, Top 8 finalist out of 181 teams** 02/2019 – 02/2019
- BubblePop, A mobile app that gamifies the process of meeting people outside of your echo chamber by borrowing ideas from Tinder and Pokémon GO. [Swift, ARKit, Firebase, Core ML, Twilio]
- CruzHacks, Winner - 2<sup>nd</sup> Place, Best Use of Google Cloud Platform** 01/2019 – 01/2019
- Iris, A virtual assistant that uses facial recognition to help Alzheimer's patients combat memory loss through a wearable device and web application. [Raspberry Pi, webcam, Flask, Firebase, Angular, Microsoft Azure Face API]
- SB Hacks, Runner-up Best Use of Google Cloud Platform** 01/2019 – 01/2019
- heart.io, A web application that uses machine learning to make expert medical diagnoses more accessible in an interconnected world. [Flask, Bootstrap, Keras, Tensorflow, scikit-learn, Google Cloud ML Engine]
- MLH Local Hack Day, Winner - Best Microsoft Azure Hack** 12/2018 – 12/2018
- Summerize, A study tool to help students "hack" their studying experience by summarizing text or linked article input. [React.js, Node.js, Express.js, Microsoft Azure Text Analytics API]
- Valley Hackathon, Winner - 2<sup>nd</sup> Place** 09/2018 – 09/2018
- GlenDaily, A web application to enhance communication between Glendale city officials and the Glendale community. [Node.js, Express.js, Handlebars.js, Bootstrap]