

Timothy Zhao

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Education

- University of California, Berkeley 2014-Present
- B.S. in Electrical Engineering and Computer Science, Class of 2020
 - **CS 152** Architecture & Engineering, 61C Machine Structures, 61B Data Structures, 170 Algorithms, 161 Security, 188 AI, 70 Discrete Math & Probability Theory, 195 Linux System Administration **EE 16A** & 16B Information Devices and Systems, **Math 53** Multivariable Calculus, 54 Linear Algebra

Experience

- CS61B: Data Structures** - Academic Intern Fall 2018
- Assisted TA during lab by guiding students and answering questions
- Starbutter AI** - Software Engineering Intern Aug 2017-May 2018
- Utilized and enhanced existing **Python** codebase to build **Lambda** backends for flagship financial product **chatbots** and integrate them into Google Assistant (**Actions on Google**), Facebook Messenger, and a self-built web-client (**HTML, CSS, JS, Chalice**) (**DialogFlow**)
 - Built a **content management system** to save Google Sheets into **DynamoDB** via a web interface allowing non-tech content developers to independently add material for chatbots
 - Set up **EC2** service (**Prerender**) in order to automatically scrape bank rates and serve to users
 - Designed system to send recurring subscription messages to Facebook & Google users
 - Built **conversion tracking** and **tracking pixels** for advertisements (**HTML, Outbrain**)
- NextLesson** - Software Engineering Intern Summer 2017
- Automated the sending of recurring emails to users (**Python, MongoDB, SendGrid**)
 - Redesigned error page and shopping cart for the company website (**HTML, CSS**)
 - Updated and added features to class management webpage
- Phonak LLC.** - Mechanical Engineering Intern Summer 2015
- Characterized Polisher/Grinder in order to increase efficiency of the **Quality Assurance** process of hearing aid proprietary batteries
 - Drafted **SOP's** and **CAD** parts for team members
 - Researched the wearable medical product industry for the company to diversify
- Computer Science Undergraduate Association - Member Spring 2017-Present

Skills

Proficient: Python, HTML/CSS, DialogFlow, Chalice, Flask, Git, AWS (Lambda, DynamoDB, IAM, Route 53, EC2, CloudFront, etc)

Experience in: C, Java, Javascript, MongoDB, Node.js, Outbrain, Prerender, Selenium, Bash, Bootstrap

Personal Interests

Urban Dance | Classical Architecture | Sci-Fi | Infrastructure/Urban Development | LGBTQ+