

# 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** 61A Intro, 61B Data Structures, 61C Architecture, 70 Discrete Math & Probability Theory, 188 AI, 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 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, Java, HTML/CSS, DialogFlow, Chalice, Flask, Git, AWS (Lambda, DynamoDB, IAM, Route 53, EC2, CloudFront, etc)

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

## Personal Interests

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

