

Thu Nguyen

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Education

University of California, Berkeley

Cognitive Science, B.A. and Computer Science, B.A. Minor (GPA: 3.3)

Aug 2016 - May 2020

- **Completed Courses** — Structure and Interpretation of Computer Programs, Data Structures, Web Design, Illustrator and Photoshop, Discrete Mathematics and Probability Theory, Efficient Algorithms, Artificial Intelligence
- **Current Courses** — Machine Structures, Intro to Database Systems, Principles and Techniques of Data Science

Experience

Google, New York, NY — Engineering Practicum Intern

May 2018 - Aug 2018

- Spearheaded development of /spanviewer/, a deployed internal Spanner database viewer capable of opening and caching arbitrary databases, querying using span SQL, formatting using custom decorators, and proxying users' private instances.
- Used Go, Stubby, Sandman, Spanner, RPCs, and Borg to write new methods for configuring row URL decorator, registering private instances in a database, testing interactions with private instances, and caching database connections.
- Participated in Google Site Reliability Engineering (SRE) Intern Summit, Google Women Engineers (GWE) Intern summit, volunteered in Google MTV/NYC Computer Science Summer Institute intern panel, teaching assistant for Google App Engine during CSSI project week.

Google, Sunnyvale, CA — Engineering Practicum Intern

May 2017 - Aug 2017

- Developed UI for managing rules using automation in OMG Assist, Google's internal outage management dashboard. Rules are defined as "if...then" statements that execute actions within the incident page upon a true condition.
- Used Polymer, HTML, CSS, and Clojure to create component for setting and executing rules as well as changing how rules are displayed within the module based on current execution status.

Leadership

ANova, Berkeley, CA — Events Committee Chair

Jan 2017 - present

- Organized ANova Hacks, a hackathon designed for over sixty beginner hackers from Bay Area low-income high schools, through web design mentorship, industrial relations, and event-planning. Lead organizer for ANova Hacks 2019. Lab assisted and lectured CS classes at Oakland Charter HS, Encinal HS, Montera MS, and Downtown Charter Academy.

Association of Women in EECS, Berkeley, CA — Mentorship Officer

Jan 2017 - May 2018

- Organized tech talks with industry professionals, social events for AWE members. Managed industrial relations for planning CS Kickstart 2017. Formerly Activities Officer and Academic and Professional Development Officer.

Skills

- Python, Go, Java, HTML, CSS, Javascript, SQL, Google App Engine, Flask, Illustrator, Photoshop, Testing, Design

Projects

Capsistant — Google NYC Intern IoT Hackathon

July 2018

- Smart cap using Google Cloud Vision and Assistant allowing visually impaired to experience environment through audio.

ToMeeto — Hack Davis — tomeeto-hackdavis.appspot.com

Feb 2018

- Web app matching university students for lunch using Google App Engine, Google Cloud Storage database, and Flask.

SQL Database

Feb 2017 - Mar 2017

- Database for processing and interpreting user SQL commands such as "create table" and "join" using Java.

Care Package — Google CSSI — carepackage-cssi.appspot.com

July 2016

- Web app that allows users to send themed messages to friends and family "whenever and wherever" on pre-specified delivery dates in order to promote stronger relationships and communication.