

# Daniel Gultom

+1 925 - 314 - 6842 | daniel.gultom@berkeley.edu | linkedin.com/in/daniel-gultom | danielgultom.github.io

## Education

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**UC Berkeley** 2021 – Computer Science B.A. – GPA 3.76

**Courses** – **CS61A** (Programming/Python), **CS61B** (Data Structures/Java), **EE16A & EE16B** (Information Devices & Systems)

**In Progress** – **CS61C** (Machine Structures/C/RISC-V), **CS70** (Discrete Math), **Stats133** (Computing with Data/R)

## Experience

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### Haas School of Business

September 2018 – present

Student Software Engineer

- Deliver custom software solutions for faculty and staff.
- Use MEAN stack to develop web apps for classroom simulations.

### CooperVision

June – August 2018

Front-End Web Developer Intern

- Handle Drupal-based, LAMP stack, multilingual site. Navigate and manage CMS to create and edit pages.
- Upload content using both WYSIWYG and code (HTML/CSS/JS). Translate marketing campaigns into web-friendly sites.
- Implement automated functional testing to catch development and production stage bugs and improve SEO features.

### CS 61A – Intro Computer Programming Course

January – May 2018

Lab Assistant / Academic Intern

- Explain complex computer science concepts in creative ways and assist in debugging large projects.
- Guide students through challenging problems during lab/office hours. Solidify foundational concepts in Python/SQL.

### Kumon Learning Center

March 2016 – July 2017

Center Assistant

- Tutor students of various ages in math/reading and maintain Google spreadsheet of student data.
- Communicate with high volume of customers when running front desk on weekends. Train new employees.

## Projects

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### Personal Projects

- danielgultom.github.io – Personal static website. Used HTML/CSS/JS/jQuery. Still updating!
- Menu Web App – Full stack web application that utilizes CRUD operations. Uses SQLAlchemy/Flask.
- redditBot – Coded in Python and used Reddit's API to respond to posts and comments with specific keywords.

### Class Projects

- BearMaps – Implemented back-end server for web map with Java. Used map raster, graph algorithms/traversals.
- Scheme – Created the Scheme/LISP language interpreter in Python.

## Skills

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**Languages:** Java, Python, JS/jQuery, HTML, CSS, SQL, R

**Tools/Frameworks:** Git, Bootstrap, Drupal7, Acquia, Jupyter Notebook

**Currently learning:** MEAN Stack, C, Angular, React, PHP, Flask, Photoshop/Illustrator/Lightroom