Daniel Gultom

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

Education

UC Berkeley – Computer Science B.A. – GPA 3.62   August 2017 – May 2021

Courses

In progress:

- Programming (**Python**) – CS61A
- Data Structures (**Java**) – CS61B
- Machine Structures (**C**/RISC-V) – CS61C
- Computing with Data (**R**) – Stat133
- Discrete Math/Probability – CS70
- Devices/Systems – EE16A/B
- Data Science (**Python/Jupyter**)– Data8
- Computer Graphics (**C++**) – CS184
- Efficient Algorithms – CS170

Experience

Haas School of Business – Technology Solutions   September 2018 – present

Student Software Engineer

- Deliver custom software solutions for faculty and staff at the Haas School of Business.
- Create scripts on Google applications (sheets) to record and analyze events occurrence and visualize trends.
- Use MEAN stack to develop web apps for classroom projects and other faculty needs.

CooperVision   June 2018 – 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 WYSIWYG and HTML/CSS/JS. Translate marketing campaigns into web-friendly sites.
- Implement automated functional testing to catch development/production bugs and improve SEO.

CS 61A – Intro Computer Programming Course   January 2018 – May 2018

Lab Assistant / Academic Intern

- Teach 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

ScaVision: Used Google Vision and Microsoft Azure image recognition APIs to create a scavenger hunt web app. Front end using **HTML/CSS/JS**, back end in GCP. Built at CalHacks 2018.

Microblog: Used **Python Flask** to create social-media-style web application through a tutorial. Uses authentication, database migrations, Bootstrap.
Deployed on flask-microblog-danielhamg.herokuapp.com

BearMaps: Implemented back-end server for web map with **Java**. Used image rastering, graph algorithms/traversals.

Scheme: Created the Scheme/LISP programming language interpreter in **Python**.

Skills

Languages: Java, Python, C, JavaScript/ES6, HTML, CSS, SQL, R
Frameworks: Flask, React, Angular, Node, Bootstrap
Tools/CMS: Git, Jupyter Notebook, Drupal7, Acquia