

# Daniel Gultom

## Education

---

### UC Berkeley

Computer Science (B.A.)  
c.o. 2021 - GPA 3.84

### relevant coursework

- Intro to Programming (Python) - CS61A
- Data Structures - CS61B
- Designing Information Devices & Systems I & II- EE16A & EE16B
- Intro to Web Design - CS198

## Skills

---

### Programming

Java • Python • SQL

### Front end

JavaScript • jQuery • HTML5 • CSS • Bootstrap

### Other

Photoshop & Illustrator

• MS Office Suite

### Currently Learning

React JS, Node.js,

## Hobbies

---

### Photography

Will soon upload to personal website

### Drawing

Pencil & pen sketching

### Dance

Member of UC Berkeley AFX (dance org)

## Projects

---

**EnableTech** # *February 2018-present, designing assistive tech*

**KayakNav** - programmed a navigation system for a blind kayaker. Developing blind-friendly mobile app to help client navigate through Strait of Bosphorus, Turkey. Uses MarineTraffic API. student org, designing assistive technology

### Class Projects # CS61A & CS61B

**Ants** - Programmed interactive tower defense game in Python. Exercise in object-oriented programming.

**Scheme** - Created the Scheme language interpreter in Python.

**Planets** - Programmed solar system gravity simulation. Used Java StdDraw Library

**BearMaps** - Implemented back-end server for web map. Used image rastering and graph algorithms/traversals.

### Personal Projects # *for personal learning*

**danielhamg.github.io** - Self learned how to make a functioning website. Used js/jQuery. Still updating!

**redditBot** - my first personal out-of-class cs project. Made at CalHacks; basic program that responded to posts and comments with specific keywords

## Work / Activities

---

### CS61A Course Staff # *January 2018-present*

**Lab Assistant** - guide students work through problems during lab/office hours. Explain difficult computer science concepts in ways. Assist in debugging projects

### Kumon # *March 2016-July 2017*

**Center Assistant (March 2016-July 2017)**

After-school tutoring center. Data entry for a points-based rewards system for students. Completely ran front desk on Saturdays, learned customer service through handling high volumes of students and parents. Trained several new employees since Summer 2017.

daniel.gultom@berkeley.edu // danielhamg.github.io

Contact me by email for a phone number or address!