

# Daniel Gultom

## Education

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### 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

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### Programming

Java • Python • SQL

### Front end

JavaScript • jQuery • HTML5 • CSS • Bootstrap

### Other

Photoshop & Illustrator  
• Star Wars Trivia • MS Office Suite

## Hobbies

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### Photography

(will soon be uploading to personal website)

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will soon be uploading to personal website

## Projects

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### 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

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### 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.

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