

DHILON PRASAD

Computer Science and Psychology Major

CONTACT

☎ 408-805-6677
✉ dhilonprasad@gmail.com
🏠 19266 Bountiful Acres Way,
Saratoga, California,
95070
in GitHub

Activities/Classes

Algorithms

Big-O, Max Flow, Tree Traversal

Computer Systems

Binary Coding, Bit Notation, Assembly

Data Science w/ Prob & Stats

Matplot, Pandas, NumPy

Discrete Structures

Logic, Set Theory, Graphs, Trees

Data Structures

Stacks, Queues, Lists, Ptrs, Git Shell

Operating Systems

Kernels, Multi-threading, Device Drivers

Software Development

HTML/CSS, Bootstrap, SDL C

Behavioral Genetics

Social & Environmental impact on Genes

Psychological Statistics

p-values, z-scores population analysis

KEY SKILLS

Languages

- Javascript
- HTML
- CSS
- Typescript
- Java,
- Python,
- SQL,
- C / C++,
- Assembly

Frameworks

- React
- Tailwind
- MUI
- ShadCN
- Django
- Flask
- Peewee
- Websockets
- Phaser

EDUCATION

University of Colorado Boulder

2024 - Present | GPA: 3.75

PROJECTS

Developer, [Sports Trivia](#)

2025

Developed a web app for multi-sport trivia (multi-player & single player modes), full stack. Used Postgres database, Flask server and Peewee ORM for the backend. Vite, React, Typescript ShadCN and Tailwind on the frontend. Used Gemini and Open AI API to create dynamic AI generated questions and answers and real time answer checking system.

Builder, [Jet the Robot](#)

2024

Used the Freenove 4WD model purchased online and made modifications to the code to get the bot to perform different tasks based on built-in sensor functions.

Developer, [Crossroads App](#)

2021-2023

Conceptualized, designed, and developed Crossroads Social Game using

HTML, Javascript, React.js, Python, Django, and Heroku. Each person votes on one of two sides. The side with the least amount of votes over a large number of users is the winning side. The users who chose that side win points. Using the points, you can buy customizable items and gain streaks to share on social media.

Developer, [Deal or No Deal Website](#)

2019-2021

Developed a fully functioning website based on the popular game Deal or No Deal, where the number of cases is customizable and has colorful effects. Wrote the full graphic design, website domain, and backend script using Javascript, HTML, and Python and deployed it to Heroku.

WORK EXPERIENCE

Highline Controls — *Mechanical Intern, May. 2025-Aug. 2025*

Helped assemble large-scale precision machines and wire the communication switches and ports across each machine. Also worked with the HMI (written in C) to update the screen and filesystem

Parky Resource — *Software Engineer, Feb. 2024-July 2024*

Developed a mobile app for questionnaire-based Parkinson's disease research that keeps track of symptoms and changes in patients' personalities. Designed the UI, created the entire front-end experience, and stored the responses in Postgres.

Tech Used: React Native, Python, and Django

Banqfora Coding — *Software Intern, Jan. 2022-July 2022*

Developed a web app for banks to store and review client information; collaborated with a team of software engineers to build the front end using React and a django backend.

Tech Used: Java, Python, and Django