

Derrick Lee

dlee3@scu.edu • (408) 823 7288
linkedin.com/in/drkleee • github.com/drkleee3
drkleee.me

Education

Santa Clara University

9/16 - 6/20 (exp)

B.S. Computer Science

Relevant Coursework:

- Intro to Computer Science
- Data Structures
- Object Oriented Programming
- Intro to Embedded Systems

Skills

Languages JavaScript, Node.js, Python, Rust, C++, HTML5, CSS, ARM Assembly, SQL

Libraries Vue.js, Nuxt.js, jQuery, Express.js

Programs Adobe After Effects, Adobe Photoshop

Projects

Source code for projects can be found at github.com/drkleee3

[discord-sbot2](#)

12/17

A Discord chat bot written in **Rust** utilizing a **PostgreSQL** database, **diesel-rs** for ORM, and database connection pooling with **r2d2-diesel**. Includes various features such as a level system and moderation tools.

[discord-custom-commands](#)

10/17

A custom commands chat bot for Discord that allows users to create their own commands. Written in **Rust** and uses a **SQLite** database for storing data.

[nuxt-yt](#)

8/17

Web app that automatically aggregates and tags YouTube videos based on certain criteria utilizing the YouTube Data API. Features include a search and video statistics. Uses **Node.js** and the **Express** web framework, **Nuxt.js** for server side UI rendering, **Vue.js** for frontend, and **SQLite** for storing video data.

[headphone-recommender](#)

7/17

Web app that analyzes MP3 files and recommends 100+ headphones based on price, form factor, and music sound signature using **Python** and the **Flask** web framework.

[GifGif](#)

12/16

Electron application that trims, crops, and converts videos to gifs with FFmpeg. Uses **JavaScript** and **Node.js**, provides an HTML5 video preview and frame by frame seeking.

Awards

City of Cupertino "Solve the Streets" Challenge winner

1/16

Analyzed the traffic situation in the Silicon Valley and created a video addressing local traffic problems and proposing realistic and effective ways of improving transportation. Video edited and animated with Adobe After Effects.