

Jacob Sommer

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EDUCATION

University of California, Irvine

B.S. Computer Science

Irvine, CA

September 2021–December 2024

- 3.85 GPA, Dean's Honor List

PROJECTS

PeterPortal

Information & Computer Sciences Student Council • TypeScript, Express, React

November 2022–Present

- Worked with a team of 10 students to develop and maintain PeterPortal, a student-run application for peers at University of California, Irvine
- Serves as a platform for students to research classes and create their 4-year plans
 - Features course and professor catalogs and a planner with automatic prerequisite checking and unit counting
- Worked on new features, bug fixes/troubleshooting, and maintenance tasks in 2-week sprints

PlayPic

HackUCI 2022 • Express, React

February 2022

- Collaborated with three teammates to create a website that takes an uploaded image and creates a Spotify playlist with a matching tone for the 36-hour HackUCI 2022 hackathon
- Developed backend to determine the tone of an image from the warmth/coolness and saturation of the colors then interacted with Spotify's API to create a playlist of recommend songs matching that mood

Star Tracker

Personal Project • Python

October 2019–November 2019

- Programmed, designed, and built an equatorial mount from scratch with common hardware store materials, a stepper motor, and a Raspberry Pi
- Enabled photographing of nebulae, galaxies, and other deep sky objects through long exposures by countering the Earth's rotation to track them through the night sky

WORK EXPERIENCE

Regal Hacienda Crossings IMAX, ScreenX & RPX

Floor Staff

Dublin, CA

July 2021–September 2022

- Operated point of sale systems, helped customers, prepared/served foods and refreshments, cleaned auditoriums, assisted customers with ticket purchases at kiosks, performed closing duties at concessions. Worked summers and during winter break.

SKILLS

Languages: Java, JavaScript, TypeScript, Python, C++

Technologies/Frameworks: Express, React, React Native, Flask, Firebase, Linux, Git