JACOB SOMMER

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PROJECTS

PeterPortal   November 2022 - Present

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

- Collaborated 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.
- Worked on new features, bug fixes/troubleshooting, and maintenance tasks in 2-week sprints.
- Attended weekly meetings to discuss issues, development progress, and plans/priorities for the next sprint.

PlayPic   February 2022

HackUCI 2022 · Express, React

- 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.
- Wrote an algorithm to compute the mood of an image from the warmth/coolness and saturation of the colors in the image.
- Interacted with Spotify's REST API to create a playlist of recommended songs matching the computed mood of the image.

StarTracker   October 2019 - November 2019

Personal Project · Python

- Programmed, designed, and built an equatorial mount from scratch with common hardware store materials, a stepper motor, and a Raspberry Pi.
- Counters the Earth's rotation, allowing a camera to track and photograph nebulae, galaxies, and other deep sky objects through long exposures.

EDUCATION

University of California, Irvine   September 2021 - Present

Bachelor of Science, Computer Science   *Irvine, CA*

- 3.85 GPA
- Expected Graduation: December 2024

WORK EXPERIENCE

Regal Hacienda Crossings, IMAX, ScreenX & RPX   July 2021 – September 2022

Floor Staff   *Dublin, CA*

- 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.

SKILLS

Languages: Java, JavaScript, TypeScript, Python, C++
Technologies/Frameworks: Express, React, React Native, Flask, Firebase, Linux, Git