

Emil Sadek

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EDUCATION

University of California, Santa Cruz

Mar 2021

Bachelor of Science, Cognitive Science

Specialization in Artificial Intelligence and Human-Computer Interaction

SKILLS

- **Languages:** Python, JavaScript, Java, C, SQL
- **Full Stack Development:** Django, Flask, Bootstrap, PostgreSQL, Git, Docker, Heroku
- **Data Analysis:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Prefect
- **Operating Systems:** MacOS, Ubuntu Linux, Windows

PROJECTS

SpaceX Launch Tracker

- Web application for exploring data about upcoming and past SpaceX launches.
- Tech Stack: Python (Flask), JavaScript, Bootstrap, Heroku

Insecticide

- Simple, fast and extensible bug tracking system.
- Tech Stack: Python (Django), JavaScript (Chart.js), Bootstrap

EXPERIENCE

Software Engineering Intern

Jun 2018 – Aug 2018

Roughing It, Lafayette, CA

- Increased the mobile usage of a consumer-facing web application by developing a mobile responsive front end with JavaScript, HTML and CSS.
- Researched the accuracy of weather data by developing a data pipeline to ingest and analyze data from APIs and web scraping with Python, SQL and MariaDB.
- Developed the new company blog with Linux, Apache, MariaDB and PHP (LAMP stack).

Computer Science Tutor

Mar 2017 – Jun 2018

UCSC, Santa Cruz, CA

- Facilitated the success of students in CMPS 12A: Introduction to Programming (Accelerated) and CMPS 12B: Introduction to Data Structures by giving feedback on assignments and creating individualized study plans for midterm and final exams.

LEADERSHIP

Recruitment Chair

Oct 2018 – Oct 2019

Alpha Epsilon Pi, Santa Cruz, CA

- Planned, coordinated and executed the chapter's recruitment program.
- Chaired the Recruitment Committee and sat on the Executive Board.