Emil Sadek

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EDUCATION

University of California, Santa Cruz <div align="right">March 2021</div>

Bachelor of Science, Cognitive Science
Specialization in Artificial Intelligence and Human-Computer Interaction

COURSEWORK

- Linear Algebra
- Discrete Math
- Calculus
- Statistics
- Computer Science
- Programming
- Data Structures
- Algorithms
- Machine Learning
- Deep Learning
- Convolutional Networks
- Sequence Models

SKILLS

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

PROJECTS

SpaceX Launch Tracker
- Web application for exploring data about upcoming and past SpaceX launches.
- Tools: Python (Flask), JavaScript, Bootstrap, REST API, Heroku

Insecticide
- Simple, fast, extensible and mobile responsive bug tracking system.
- Tools: Python (Django), JavaScript (Chart.js), Bootstrap

EXPERIENCE

Software Engineering Intern <div align="right">June 2018 – August 2018</div>

Roughing It, Lafayette, CA
- Researched the accuracy of weather data by developing a data pipeline to ingest and analyze data from APIs and web scraping with Python.
- Developed company blog by scripting the transfer of blog data from HubSpot to WordPress with Python.
- Increased the mobile usage of a consumer-facing web application by developing a mobile responsive front end with HTML, CSS and JavaScript.

Computer Science Tutor <div align="right">March 2017 – June 2018</div>

UCSC, Santa Cruz, CA
- Facilitated the success of students in CMPS 12A: Introduction to Programming (Accelerated) and CMPS 12B: Introduction to Data Structures by meeting one-on-one to give feedback on assignments and creating individualized study plans for midterm and final exams.

LEADERSHIP

Recruitment Chair <div align="right">October 2018 – October 2019</div>

Alpha Epsilon Pi, Santa Cruz, CA
- Planned, coordinated and executed the chapter's recruitment program for three academic quarters.
- Chaired the Recruitment Committee and sat on the Executive Board.