Rachel Hanna
Software Engineer & Web Developer

Fourth year Computer Science student with two years of work experience searching for a full-time job. Experienced with machine learning, web design and development, proficient in many languages, and a self-motivated, fast learner.

✉ rjoyhanna@gmail.com

📍 Davis, CA

in linkedin.com/in/rachel-joy-hanna

📱 (530) 616-1088

🌐 rjoyhanna.github.io

○ github.com/rjoyhanna

WORK EXPERIENCE

Programmer
UC Davis Center for Educational Effectiveness ⬈

04/2019 – Present

Achievements/Tasks

- Developed a Neural Network and Random Forest Classifier to detect interactive learning techniques in lecture audio files
- Programmed applications using React, Python and Ruby on Rails

Contact: Matthew Steinwachs – mksteinwachs@ucdavis.edu

Web Developer
UC Davis UE Communications Team ⬈

06/2018 – 06/2019   *Davis, CA*

Achievements/Tasks

- Built/maintained 15 campus sites in SiteFarm (Drupal-based CMS)
- Developed skills using Google Analytics and Google Script

Contact: Sharon Knox – scknox@ucdavis.edu

Dynamic Visualization of Large, Sparse Networks
Honors Project with UC Davis Researcher

01/2018 – 03/2018

Achievements/Tasks

- Studied network visualization used for research in protein folding
- Using the JavaScript D3 library, developed 2D and 3D representations of amino acids

Contact: Professor Patrice Koehl – pakoehl@ucdavis.edu

Web Designer & Developer
RJoy Pet Portraits ⬈

12/2017 – Present

Achievements/Tasks

- Designed and developed a live website using a Linux web host
- Built a form and automated email using Google Sheets & Scripts
- Updated website using Bootstrap, CSS/HTML, and React.js

EDUCATION

B.S. Computer Science
University of California, Davis

09/2016 – 06/2020   *3.8/4.0 GPA*

SKILLS

Machine Learning · Web Design · Git\GitHub · Python3 · C · C++ · JavaScript · React.js · Node.js · CSS/HTML · Java · Ruby on Rails · Rust · SQL · MySQL · PostgreSQL · Matlab · R · Haskell · Prolog · AWS · S3 · Docker · Linux · Windows · Mac · Google Analytics · Google Data Studio · Object Oriented Programming · Communication · Collaboration · Microsoft Office

PROJECTS

Audio Analysis Work Project (04/2019 – Present)

- Interface for UC Davis professors built using Rails, React, AWS s3 buckets, and a docker container running ffmpeg and a Python3 module used for machine learning and heuristic analysis of lecture audio

Simple Shell Course Project (09/2019 – 10/2019)

- Built a simple shell for Linux using C. Implemented input validation, process forking, piping, and background commands.

Instagram Bot (07/2019 – 08/2019)

- Python3 program that manages an Instagram account to increase the page following

BookClub Course Project (04/2018 – 06/2018)

- Web app used for keeping track of books for a book club using JavaScript, Node.js, HTML, CSS, and the Google Books API.

ACTIVITIES & HONORS

UC Davis Dean's Honors List

University Honor's Program

Women in Computer Science Club Webmaster

Davis University Chorus