CARSON WELTY

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EDUCATION

University of California, Riverside
B.S. Computer Science 2021
GPA: 3.51

SKILLS

PROGRAMMING: C++, Linux, Git, Bash, Python, HTML, CSS, JavaScript, Node, MySQL
FRAMEWORKS: Express, Bootstrap, Flask

PROJECTS

FIREWATCH — Feb. 2019
Built a web app using machine learning and over 400,000 data points to predict where wildfires are most likely to occur in California
Used Python and Flask to parse data, train an algorithm, and host a web server

R-SHELL TERMINAL — Nov. 2018
Designed and programmed a simple terminal shell in C++
Capable of reading in an inputted line of commands with connectors, and executing them accordingly.

ASUCR R'GEAR WEBSITE — Feb. 2019
Developed backend environent using Node, Express, and MySQL
Used by student government for the distribution of clothing to 4000 students

EXPERIENCE

UCR SCHOOL OF BUSINESS
IT Support Staff — Sept. 2018 to Current
Management of lecture-recording MediaSite software for 15 professors.
Host video servers for 750 students.
Maintaining 25 computers remotely to ensure security.

ROSE HACK @ UCR
Marketing Team — Oct. 2018 to Current
Design graphics with Adobe Illustrator for sponsoring companies.
Laying foundation for first-ever women-centric hackathon at UCR.

CS4ALL CODE CAMP @ UCR
Teaching Assistant — July 2018 to Aug. 2018
Taught 60 high school students how to code with Python, under direct supervision of CS Lecturer.

ACTIVITIES

CYBER SECURITY @ UCR · Member — Sept. 2017 to Current
Implemented web app security at the National Collegiate Cyber Defense Competition (NCCDC) invitationals.

ASSOCIATION FOR COMPUTING MACHINERY @ UCR · Member — Sept. 2017 to Current
Attend technical programming workshops, including web development, data science, and networking events.

HACK UCI 2019 · Participant — Feb. 2019
Completed and demoed FireWatch, a web app using machine learning

AWARDS

UC Riverside · CHANCELLOR'S HONOR LIST — June 2018
Awarded for achieving a minimum 3.5 GPA for the entire 2017-2018 academic year.

RELEVANT COURSEWORK

Software Construction, Data Structures & Algorithms, Machine Organization, Discrete Structures, Linear Algebra, Logic Design