

Sierra Chapman

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EDUCATION

University of California, Berkeley Extension Jun 2020 Aug 2020

- Learning full-stack web development in full-time coding bootcamp

University of California, Davis Bachelor of Science in Physics, June 2019

- Graduated with highest honors
- Cumulative GPA: 3.873

SKILLS

- Technical skills: proficient in Python; working knowledge of HTML, CSS, JavaScript, jQuery, Bootstrap, Node.js, Git, C, R, Mercurial, Excel, LaTeX
- Other skills: strong written and verbal communication, creativity, data analysis techniques, problem solving strategies, ability to learn new skills quickly, attention to detail

EXPERIENCE

Undergraduate Researcher

UC Davis Physics Department; Davis, CA — Jun 2018 – Dec 2019

- Analyzed large datasets from cosmological simulations and visualized results using Python
- Wrote senior thesis on my research project, earning highest honors
- Presented research at the Undergraduate Research Conference

Python Programmer

UC Davis Physics Department; Davis, CA — Jan 2019 – Mar 2019

- Created Jupyter Notebook tutorials and homework solutions for use in undergraduate cosmology course

Library Assistant

Mendocino County Library; Ukiah, CA — Jun 2016 – Mar 2019

- Fixed errors in the library database, summarized data for budget and circulation reports, designed and formatted signs and labels
- Learned technology for inventorying items, and trained staff and volunteers in its use
- Worked with 2 other staff members to plan and run interactive science- and art-themed programs for children and teens

Teaching Assistant

Adelante Migrant Education Program; Ukiah, CA — Summer 2015

- Assisted students with coursework and graded assignments in high school-level math and English classes
- Cooperated with another teaching assistant to lead a physics study group for around 6 students
- Designed and facilitated a cooperative program-wide art project involving approximately 100 students