Bradley N. Jenner

Davis, CA 95616 | (916) 878-8485
Email: bnjenner@ucdavis.edu
Website: https://bnjenner.github.io
Github: https://github.com/bnjenner

PROFILE

Third year at the University of California, Davis obtaining a Bachelor's of Science in **Biotechnology** with a minor in **Computer Science.** Expected June 2021. **3.719 GPA.** Member of the **University Honors Program** at UC Davis. Interested in bioinformatics/genomics and software development.

RELATED COURSEWORK

Principles of Genomics	Genes & Gene Expression	Organic Chemistry for Health & Life Sciences
Introduction to Data Structures	Applied Bioinformatics	Computational & Structural Bioinformatics
Calculus for Biology & Medicine	Linear Algebra Applied to Biology	Applied Statistics for Biological Sciences

EDUCATION

Bachelor of Science in Biotechnology (Computer Science Minor) Expected December, 2021
University of California, Davis

SKILLS

Bioinformatic Analysis (Variant Analysis/Differential Expression)	Computer Programming (Python/R/Unix)
Molecular Biology Techniques (PCR/qPCR, DNA/RNA Extraction)	Science Communication (Oral & Written
Information Technology Management	Web Development and Management

POSITIONS

Plant Pathology Laboratory/Bioinformatics Assistant, Gordon Lab, UC Davis (October 2017 to present)

- Design and conduct independent experiments investigating fungal and plant genetics.
- Analyze sequence and expression data using open source bioinformatics software (HTStream, HTseq, GATK, BWA, STAR, edgeR, topGO) and personally developed programs (Python, R, Bash).
- Perform a variety of molecular biology techniques (PCR, qPCR, DNA/RNA Extraction)

Neuroscience Bioinformatics Assistant, Nord Lab, UC Davis (July 2019 to present)

- Used bioinformatic methods to analyze expression data and answer relevant questions in Neurogenomics.
- Create and maintain laboratory webpages hosting Github repositories, social media, and publications.
- Managed archival data by designing and implementing robust infrastructure for data transfer and storage using cloud-based services (Box).

General Chemistry Learning Assistant, UC Davis (January 2019 to March 2019)

- Educated undergraduate students about key concepts in Chemistry through lectures and one-on-one interactions.
- Established safe and comfortable learning environments by hosting study sessions for students and their peers.

EXPERIENCE

Poster Presentation, Northern California Computational Biology Symposium, UC Davis (October 12, 2019)

- Presented findings to peers and faculty from multiple universities regarding the transcriptional responses of strawberry to global variants of *Fusarium oxysporum f. sp. fragaria.*

Oral Presentation, Undergraduate Research Conference, UC Davis (April 27, 2019)

- Presented findings for research regarding somatic compatibility group diversification in *Fusarium circinatum* via spontaneous mutation to peers and UC Davis faculty.