Bradley N. Jenner

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PROFILE

Third year at UC Davis obtaining a Bachelor's of Science in **Biotechnology (Bioinformatics Emphasis).** Expected June 2021. **3.719 GPA.** Member of the **University Honors Program** at UC Davis. Interested in bioinformatics, genomics, and software development.

RELATED COURSEWORK

Genes and Gene Expression	Calculus for Biology and Medicine
Applied Bioinformatics	Organic Chemistry for Health and Life Sciences
Introduction to Data Structures	Applied Statistics for Biological Sciences

EDUCATION

Bachelor of Science in Biotechnology (Bioinformatics Emphasis) Expected June, 2021
University of California, Davis

UC Davis Bioinformatics Core: RNA-Seq Workshop June, 2018
University of California, Davis

SKILLS

Molecular Biology Techniques (PCR/qPCR, DNA/RNA Extraction)	Programming (Python/R/Bash)
Bioinformatic Analysis (Python/R/Bash)	Oral and Written Communication

EXPERIENCE

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 (A5-miseq, HTStream, GATK, BWA, STAR, Limma-Voom, topGO) and custom 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)

- Analyze sequence and expression data using computational and bioinformatic methods in order to answer research questions in Neurogenomics.
- Create and maintain laboratory webpages for Github repositories, social media information, and publications.
- Managed archival data. Designed and facilitated secure methods for data transfer to remote storage services.

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

- Educated undergraduate students about key concepts in Chemistry through lectures and group study sessions.
- Promoted safe and comfortable learning environments through personal interaction with students.