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. **3.689 GPA.** Member of the **University Honors Program** at UC Davis. Interested in bioinformatics, pathology, and genetics.

RELATED COURSEWORK

General Chemistry	Calculus for Biology and Medicine
Introductory Biology	Organic Chemistry for Health and Life Sciences
Introduction to Programming (Python)	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

UC Davis Bioinformatics Core: Prerequisite Workshop March, 2018
University of California, Davis

SKILLS

DNA/RNA Extraction	Bioinformatic Analysis (Command-Line/Python/R)	PCR/qPCR
Programing (Python/R)	Proficiency with BLast and NCBI Databases	Oral Presentation

EXPERIENCE

Plant Pathology Undergraduate Assistant, Gordon Lab, UC Davis (October 2017 to present)

- Design and conduct independent research investigating fungal and plant genetics
- Analyze sequence data using open source bioinformatics software (A5-miseq, HTStream, GATK, BWA, STAR, Limma-Voom, topGO) and custom scripts (Python, R).
- Assist graduate students in Plant Pathology research using molecular biology techniques (PCR, qPCR, Gel Electrophoresis, DNA/RNA Extraction)

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

- Analyse sequence and expression data using computational and bioinformatic methods in order to answer research questions in Neurogenomics.
- Create and maintain webpages displaying Github repositories, social media information, and publications.

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

- Facilitate group discussions and promote student-student interaction.
- Promote learning of key Chemical concepts through lectures and group study sessions.