# 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.