

Andrew Garcia

andrewg0724@yahoo.com | (323) 810-0944 | Los Angeles, CA | and724.github.io

Education

Oregon State University

Jun 2022 - Dec 2024

B.S. Computer Science

Corvallis, OR

- GPA: 3.95
- Member: Association for Computing Machinery
- Relevant Coursework: Intro to Computer Science I, Intro to Computer Science II, Discrete Mathematics, Computer Architecture and Assembly Language, Web Development, Data Structures, Analysis of Algorithms

University of California, Riverside

Sep 2015 - June 2019

B.S. Entomology

Riverside, CA

- GPA: 3.70
- Cum Laude – Dean's List – Chancellor's List

Experience

NASA Jet Propulsion Laboratory

Sep. 2023 – Present

Student Intern

Pasadena, CA

- Leading a project within the Biotechnology and Planetary Protection Group under the guidance of a PHD mentor.
- Conducting data analysis of large amounts of genomic data leveraging the computational power of the Texas Advanced Computing Center HPC.
- Researching Regolith Simulant Sterilization and Contaminant Detection.
- Upon completion will submit a detailed report of research findings and present the research to colleagues at JPL.

Utak Laboratories

Nov. 2022 – July 2023

Formulation Chemist I

Valencia, CA

- Produced 5-10 quality control products per day using human matrices, synthetic matrices, and analytes for commercial and research use.
- Used production tracking software and Microsoft Office Suite to efficiently and accurately complete tasks in a timely manner.
- Maintained accurate tracking logs for Schedule I-V analytes, matrix donor information, and production logs for traceability of the final product.

Provivi Inc.

Dec. 2020 – Aug. 2022

Entomology Research Assistant

Santa Monica, CA

- Reared and maintained colonies of *Spodoptera frugiperda* and *Chrysodeixis includens* consisting of 500-800 individuals per species.
- Prepared moths for experimentation, assisted with experiments, and maintained laboratory spaces and equipment.
- Created and maintained accurate data logs, wrote standard operating procedures, and reported on colony health weekly in meetings.

San Gabriel Valley Mosquito and Vector Control District

Jun. 2020 – Nov. 2020

Seasonal Vector Control Technician

West Covina, CA

- Assisted in the detection, identification, and elimination of mosquitos, vectors of disease and their breeding sources.
- Maintained accurate pesticide tracking logs and used mapping software to plan 8-12 site visits per day and log visit notes.

Technical Skills and Certifications

Languages: Python, JavaScript, C++, R, x86 Assembly

Technologies, Environments, and Tools: Git, Linux, HTML, CSS, MongoDB, NodeJS, Jupyter Notebook, Bash

Certifications: Programming Fundamentals

Skills and Interests

Skills: Google workspace; photoshop; research planning; video editing; public speaking; staff mentoring and training

Hobbies/interests: Magic the Gathering; camping; hiking; entomology; robotics; reading; video games; coffee; music