

August Conley

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SUMMARY

Early career biological sciences graduate with supervised experience supporting plant health surveillance, **invasive pest prevention**, specimen documentation, quarantine oriented inspection, and laboratory safety. Academic and research work developed clear report writing, careful interpretation of **scientific references**, basic arithmetic, and **logical problem solving**. Field and classroom assignments included inspection simulations, pest identification, chain of custody records, shipment review, and structured observation of plant and insect samples. Comfortable learning agency programs, quarantine procedures, pest control practices, and regulated work processes under guidance. Holds a valid California driver's license and completed training in **integrated pest management** and laboratory safety. Prepared for rotating shifts, evening, weekend, and holiday work, in person academy instruction, operational field assignments, physical handling requirements, and applicable airport security screening.

EDUCATION

Bachelor's Degree in Biological Sciences
University of California, Davis GPA: 4.0
Coursework: Plant health, entomology, pest management, scientific report writing, laboratory methods

2026
Davis, CA

TECHNICAL SKILLS

- **Inspection Methods:** Visual inspection, shipment inspection, field inspection
- **Quarantine Programs:** Plant quarantine, non domestic animal quarantine, quarantine procedures
- **Pest Management:** Integrated pest management, pest prevention, pest control
- **Scientific References:** Reference keys, technical guidance, scientific literature
- **Specimen Handling:** Specimen labeling, specimen referral, sample handling
- **Documentation Systems:** Inspection reports, observation records, chain of custody
- **Laboratory Practices:** Microscopy, sanitation, containment
- **Data Analysis:** Microsoft Excel, ratios, frequency analysis
- **Safety Practices:** Laboratory safety, field safety, workplace safety
- **Compliance Screening:** Fingerprint checks, SIDA clearance, employment authorization
- **Field Operations:** Operational sites, classroom assignments, work based learning

SKILLS

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|---------------------------|----------------------------|---------------------------|----------------------------|
| • Plant biosecurity | • Specimen documentation | • Logical problem solving | • Inspection procedures |
| • Quarantine concepts | • Scientific references | • Chain of custody | • Invasive pest prevention |
| • Pest identification | • Technical report writing | • Field safety | • Microsoft Excel |
| • Plant health inspection | • Basic arithmetic | • Laboratory safety | |

EXPERIENCE

Plant Biosecurity Research Assistant
University Research Lab

January 2026 - October 2026
Davis, CA

Supported supervised plant health surveillance across greenhouse and field samples, with responsibility for observation records, specimen traceability, scientific references, arithmetic checks, safety procedures, and faculty reporting. Work strengthened practical judgment for inspection, documentation, and quarantine oriented decisions.

- Recorded **plant health** observations using reference keys and standardized field inspection forms.
- Maintained **chain of custody** logs for more than 180 plant and insect specimens.
- Compared suspected pests with **scientific references** and referred uncertain identifications for staff review.
- Prepared technical notes that clarified laboratory findings for faculty research meetings.
- Checked sample counts, ratios, and treatment calculations against source records before dataset entry.
- Followed sanitation and containment procedures while moving materials between designated laboratory areas.

Biosecurity Inspection Capstone Student
Capstone Project

September 2025 - December 2025
Davis, CA

Completed a supervised inspection simulation focused on invasive plant pest prevention across agricultural receiving workflows. Built practical skill with quarantine concepts, inspection documentation, spreadsheet analysis, technical guidance, and clear presentation of disposition recommendations.

- Created inspection checklists linking risk indicators with quarantine escalation and referral procedures.

- Evaluated 36 simulated shipments and documented consistent findings for faculty review.
- Used spreadsheets to calculate frequencies and ratios across varied plant material shipments.
- Interpreted technical guidance to resolve unfamiliar pest scenarios through systematic reasoning.
- Presented disposition recommendations to a 14 person class during final workflow review.
- Explained documentation quality and inspection consistency in response to faculty questions.

Plant Pest Identification Lab Student

January 2025 - May 2025

Student Lab

Davis, CA

Completed supervised laboratory exercises in insect morphology, plant symptoms, specimen handling, and introductory pest identification. Practiced technical reading, prescribed documentation, quantitative reasoning, safe laboratory work, and evidence based follow up for inspection scenarios.

- Identified introductory pest characteristics using microscopes, reference keys, and prepared specimens.
- Revised laboratory **reports** after instructor review for clearer scientific terminology and complete findings.
- Practiced inspection scenarios requiring technical reading, evidence comparison, and follow up selection.
- Recorded specimen photographs, labels, source notes, and identification rationale in a shared catalog.
- Completed measurements, fractions, percentages, and ratios for biological and pest management exercises.
- Followed specimen handling, sanitation, and workspace safety procedures during laboratory activities.

PROJECTS

Invasive Pest Inspection Simulation 📅 2025

Created a supervised agricultural receiving workflow that connected shipment review, plant material inspection, quarantine concepts, specimen referral, documentation, and disposition recommendations. Results supported a clear classroom demonstration of logical inspection practice.

LEADERSHIP & AWARDS

- Dean's List, University of California, Davis, 2025
- Undergraduate Research Presentation Recognition, University of California, Davis, 2026
- Plant Sciences Capstone Merit Award, University of California, Davis, 2025

CERTIFICATIONS

- Valid California Driver's License 📅 2026
- Integrated Pest Management Foundations 📅 2026
- Laboratory and Field Safety Training 📅 2025

PROFESSIONAL AFFILIATIONS

- Peer Mentor, Biological Sciences Study Group, 2025 to 2026
- Volunteer, Campus Invasive Species Awareness Event, 2025
- Student Presenter, Undergraduate Research Symposium, 2026

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST