Ryland Sepic

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Experience

Flowers Vineyard and Winery   **Healdsburg, CA**
Tech Liaison, Harvest Intern, Reception and Guest Services   *July 2021–Present*
- Serve as on-site IT assistance, troubleshooting issues related to networks, hardware systems, and software.
- Operate and setup machinery, sanitize equipment, and work independently to fulfill work orders.
- Provide customer service and use professional software to organize seating, handle payments, and fill orders.

Clover Sonoma Farms   **Petaluma, CA**
Temporary Laboratory Technician   *November 2020–February 2021*
- Prepared and analyzed laboratory samples, testing for a microbial presence, and reported the data.
- Checked equipment, calculated vitamin content, sanitized, restocked, and swabbed equipment for microbes.

Academic Assistance and Tutoring Centers, UC Davis   **Davis, CA**
Engineering Tutor   *October 2019–June 2020*
- Recruited by the AATC to tutor classical and modern physics, electrical engineering, and computer science.
- Tutored individuals and groups, in person and remotely. Prepared practice problems and learning software.

Moving With Grace   **Woodland, CA**
Lead   *May 2019–November 2019*
- Lead moving crews, managed supplies and equipment, interacted directly clients, and handled payments.
- Assembled and dissembled items, labeled and organized packaging for shipping and long term storage.

UC Davis Police Department   **Davis, CA**
Aggie Host Security   *September 2018–June 2019*
- Public outreach and security at events, drove for the Safe Ride service, and patrolled university property.
- Greeted and provided services to visitors of the university at sporting events, commencements, and concerts.

UC Davis Computer Science Department   **Davis, CA**
Research Intern   *June 2018–April 2019*
- Worked on an academic research project. Read research papers and presented findings, progress, and ideas.
- Setup a computer and used Bro/Zeek and Snort to collect and analyze network data for experiments.

UC Davis Student Housing   **Davis, CA**
Resident Advisor   *April 2016–June 2018*
- Assisted, advised, and counseled students, mediated conflict, responded to crisis, and enforced policies.
- Managed up to 110 residents, planned events, and communicated with students from various backgrounds.

Education

University of California, Davis   **Davis, CA**
B.S. Computer Science and Engineering   *June 2020*
- **GPA**: 3.6/4.0, Graduated with honors

Projects

Senior Design Project (Python, JavaScript):
- Used Mask R-CNN and Google VisionAPI to recognize logos and analyze photos.
- Designed and hosted a full stack web-based application.
- Presented our six month project at the UC Davis Engineering Design Showcase.

End-to-end Encrypted Payment Application (Swift):
- Used Stripe API, Firebase, and encryption libraries to design an encrypted payment application.
- Wrote an encryption API, implemented a Diffie-Hellman key exchange protocol, and managed data privacy.
- Worked remotely in a group of four, using Slack, Github, and Zoom to coordinate.

Skills

Software: C/C++, Git, HTML/CSS, Linux, Python, Swift, XCode
Technical: LaTeX, Microsoft Office (Excel, PowerPoint, Word), Slack
Certifications: California Food Handler (Expires July 2024), Lifeguarding with CPR/AED for Professional Rescuers and First Aid (Expires March 2023), SCUBA (Lifetime)

Honors & Awards

Dean's List: Spring 2016, Fall 2017, Winter 2018, Spring 2018, Fall 2018, Spring 2020
Scholarships: Full academic scholarship to UC Davis