

# Ryland Sepic

☎ (707) 364-3163    ✉ rmsepic@ucdavis.edu  
🐙 github.com/rmsepic    🔗 linkedin.com/in/ryland-sepic/

## Education

**University of California, Davis**

**Davis, CA**

*B.S. Computer Science and Engineering*

*June 2020*

- GPA: 3.6/4.0, Graduated with honors

## Relevant Experience

### 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.

## Additional Experience

### Flowers Vineyards

**Healdsburg, CA**

*Tech Liason, Harvest Intern, Reception and Guest Services*

*July 2021–Present*

- Serve as onsite IT assistance, troubleshooting issues related to networks, hardware systems, and software.
- Production hand during harvest season. Operated machines, sanitized equipment, and fulfilled 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.

### 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.

### Special Study for Advanced Undergraduates, UC Davis

**Davis, CA**

*Selected Undergraduate*

*January 2020–March 2020*

- Designed and implemented an algorithm that used a phone camera to recognize a name from a bank card.
- Presented and demonstrated my research and algorithm to faculty in cybersecurity as well as my colleagues.

### Moving With Grace

**Woodland, CA**

*Lead*

*May 2019–November 2019*

- Lead moving crews, managed supplies and equipment, customer relations, and handled payments.

### 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.

### UC Davis Computer Science Department

**Davis, CA**

*Research Intern*

*June 2018–April 2019*

- Worked alongside faculty and grad students studying the security of a Science DMZ network.
- Used Bro/Zeek and Snort to collect and analyze network data to be used 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.

## Skills

**Software:** C/C++, Git, HTML/CSS, Linux, Python, Swift, XCode

**Technical:**  $\text{\LaTeX}$ , Microsoft Office (Excel, PowerPoint, Word), Slack

## Honors & Awards

**Dean's List:** Spring 2016, Fall 2017, Winter 2018, Spring 2018, Fall 2018, Spring 2020

**Scholarships:** Full academic scholarship to UC Davis