

# Sterling Miller

1014 Sunnybrae Blvd,  
San Mateo, CA

| (650) 678-1758 | [stermiller1@gmail.com](mailto:stermiller1@gmail.com) | [www.linkedin.com/in/stermiller1](https://www.linkedin.com/in/stermiller1)

SKILLS:

- Languages & Frameworks:** Python, C, C++, JavaScript (React), CSS (Tailwind CSS).
- Database Management:** Experience with Firebase, Firestore (NoSQL), and basic SQL.
- Version Control & OS:** Git, GitHub, Linux/Unix command line.
- Fundamentals:** Data structures, algorithms, software design principles, debugging.
- Professional Skills:** Strong communication and teamwork abilities; organized, self-motivated, and adaptable.

EDUCATION:

**BACHELOR'S DEGREE IN COMPUTER SCIENCE**  
University of Oregon, Eugene, OR

October 2019 – June 2025

WORK EXPERIENCE:

**System Maintenance & Repair Engineer – Seasonal**  
Blue Planet-Green Power & Water, Redwood City, CA

June 2018 – August 2024

- Conducted diagnostic testing and performed repairs on automated water filtration systems, system-level problem-solving and root cause analysis.
- Executed intermediate-level electrical and plumbing repairs, using mechanical and technical troubleshooting approaches.
- Assisted in the design of preventative maintenance schedules, improving operational reliability.

**Sales Associate – Part Time**  
Central Computers, San Mateo, CA

April 2020 – September 2021

- Effectively communicated complex technical concepts to customers of varying expertise.
- Delivered technical support and solution-based recommendations for custom computer builds and IT hardware.
- Assembled and tested computer systems to ensure quality performance.

**Crew Member – Part Time**  
Trader Joe's, San Mateo, CA / Eugene OR

January 2019 – December 2020

- Managed inventory, stocked shelves, and optimized product availability.
- Provided fast, friendly customer service while handling transactions accurately.
- Adapted to shifting priorities in a fast-paced retail environment.

PROJECTS:

**DogLog – Dog Training Progress Tracker** ([GitHub](#))

- Developed an intuitive web application that tracks pets health and wellness with a structured record-keeping feature that enhances functionality and user experience.
- Built using React, Vite, Firebase, Material-UI, and Leaflet, the application features a custom theme, secure authentication and database management, and interactive mapping.

**1.5FA Demo – QR Code Authentication Vs. 2FA** ([GitHub](#))

- Developed a secure web application demonstrating QR code authentication and two-factor authentication.
- Built using Next.js, Drizzle ORM, Neon Postgres, Tailwind CSS, and NextAuth.js, the application features secure authentication, database management, QR code integration, and responsive UI design.