

Lucy Robillard

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Introduction

I am a student at UC Davis studying computer science, and I want to use my knowledge and skills to help people and make the world a better place. I like taking on challenging problems and I am very creative and I care about my community.

Education

University of California, Davis

Start: September 2022
Expected Graduation: March 2025
Degree: Bachelors in Computer Science

Sierra College

Start: June 2020
Graduated: May 2022
Degrees Earned:

- Associate in Science for Transfer in Mathematics
- Associate in Science in Natural Science

GPA: 3.5

Job and Volunteering Experience

UC Davis LGBTQIA+ Resource Center Volunteer

Since spring quarter 2023, I have been volunteering at the UC Davis LGBTQIA+ Resource Center. My duties include sitting at the front desk, where I greet people and ask them to sign in (this counts the number of people using the center which is used to influence the funding that the center receives). I also answer any questions people have and direct them to resources the center has. I also occasionally give tours to people who are new to the center. I also answer phone. My duties also include monitoring resources and informing staff when certain resources run out (sexual and menstrual health products, food pantry, scantrons, blue books, etc.).

Tutoring

I tutored for Sierra College as a student employee from January 2021 to August 2022 where I tutored math and computer science. I worked as a drop-in tutor in the tutoring center (some of which was online over Zoom), where any student at Sierra College that wanted to can go and get tutoring. While working as a tutor, I received CRLA Level 1 certification. Occasionally, I would tutor classes that I hadn't taken if someone needed help in that class and there were no tutors for that class, which included elementary algebra (that is, algebra for elementary school teachers, which is significantly more difficult than any math in elementary school), and some IT classes. This required using knowledge I had learned outside of the classroom as well as quickly learning the material well enough to explain to someone else. I also occasionally helped my fellow math tutors when they needed help.

Personal Projects

My personal projects can be found on my website <https://lucyrobillard.xyz/projects.html>.

United Sounds

My senior year of high school, I volunteered for United Sounds. United Sounds is a program that teaches kids with learning disabilities how to play music. At the end of the program, they would perform in a concert. Every week, I, along with two other people, taught someone with Down syndrome to play the snare drum. Unfortunately, due to the pandemic, the program got cut short and we were unable to perform. However, we did make significant progress in teaching our student to play the snare drum, and I believe we made a positive impact on his life.

Notary

I am a Notary Public on the state of California.

Skills

Languages

I know the following programming languages, markup languages, and scripting languages:

- Python
- C/C++
- Rust
- HTML
- CSS
- JavaScript
- Java
- Bash
- Go
- Markdown

Linux

I use Arch Linux as a daily driver. Not only do I know Linux, but I live and breath Linux, and I use the command line extensively (for example, using Vim in a terminal to write this resume using L^AT_EX right now). I also have some experience doing shell/Bash scripting in Linux.

Server / System Administration

I run a VPS were I host various things including my website (<https://lucyrobillard.xyz>), a mail server (which serves larobitrumpet@lucyrobillard.xyz), a NextCloud server (<https://nextcloud.lucyrobillard.xyz>), a searx instance (<https://searx.lucyrobillard.xyz>), and Tor relay (<https://metrics.torproject.org/rs.html#details/8E3ADB8F5F54AF7D1E74FD4EB9912B96ACFA2C07>).

Math

I have am familiar with calculus, vector calculus, differential equations, linear algebra, and proofs, among other mathematical concepts.

Organizations and Clubs

Video Game Orchestra at UC Davis

I am the trumpet section leader in the Video Game Orchestra at UC Davis, a student run orchestra. The orchestra performs music from video games and performs a concert at the end of every quarter. I have been in the orchestra since September 2022 and have been the trumpet section leader since September 2024. I perform trumpet as well as manage the trumpet section, including conducting auditions, reviewing arrangements, organizing sectionals, etc.

Awards

Directors Award for Band

At the end of every year, the band director selects one or two people to receive the Directors Award for Band. Everyone in a band program is eligible, although seniors are always chosen, and almost always section leaders are chosen, although I was an exception. The award states, “A student selected by the director who has done more work than asked. This award also acknowledges the student’s wonderful performance as a person and musician.” All the extra work I put in, helping people whenever I can, everything I did throughout my entire time in band contributed to achieving this award.