

# Chris Wheeler

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Los Angeles, CA

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## Education

### Bachelor of Science in Computer Science

May 2023

- California State University, Northridge
- GPA: 3.82, graduated magna cum laude

### Associate of Science in Mathematics

June 2021

- Los Angeles Valley College, Valley Glen
- GPA: 3.77, graduated cum laude

## Experience

### Los Angeles Community College District, Los Angeles

September 2018 – June 2023

#### Computer Science Tutor and Mentor

- Teach C/C++, Python, Java, data structures, and algorithms
- Host workshops on pointers, recursion, debugging, and more
- Mentor students in problem solving skills and learning strategies
- Certified as a Master Level Tutor by the College Reading and Learning Association (CRLA)

### Self-employed, Los Angeles

August 2018 – June 2023

#### Computer Science Tutor

- Coach students in software engineering, version control, and automated testing
- Write dev guides such as [intro to recursion](#) and [getting started with Git and GitHub](#)
- Train Linux, Windows, cybersecurity, and tech support

## Skills

- Languages: proficient in C++ and Python, familiar with Go, C, C#, Java, JavaScript, SQL, and HTML/CSS
- Version control & collaboration: Git, GitHub, Jira
- Tools: GitHub Actions, Qt for Python, pytest, tox, mypy, pre-commit, Flask, Express, Postman, Briefcase, JUnit, Microsoft Unit Testing Framework for C++
- Linux, Windows, macOS, FreeBSD, VirtualBox

## Projects

### [URL shortener](#) (JavaScript, Node.js, SQL, HTML/CSS, Linux) – a full-stack link shortener with marketing tools

- Displays clickthrough rates and approximate geographic locations of clicks
- Created a fully normalized SQL database running in Amazon RDS
- Running on a DigitalOcean droplet using Nginx and systemd

### [Note Splitter](#) (Python, Qt for Python) – a desktop app for research workflow automation

- Developed a custom lexer, parser, and type checker for splitting and rearranging notes
- Created an installer, achieved high test coverage, and set up automated documentation

### [Parhelion](#) (Python, SQL, Linux) – a Discord bot for answering FAQs, translating, sending reminders, and more

- Asynchronously responds to many users at the same time from a Linux server using systemd
- Verified by type annotations and Git pre-commit hooks running mypy and other linters

### [multimedia marks script](#) (Python, NoSQL) – automates 4 manual multimedia jobs

- Parses Baselight, Flame, and Xytech files and saves results to a MongoDB database for data analysis
- Generates worker efficiency reports
- Exports CSV files and XLS files with frame timecodes and thumbnail previews