Chris Wheeler

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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, Flask, Express, Postman, Briefcase, pytest, tox, mypy, pre-commit, 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 effeciency reports
- Exports CSV files and XLS files with frame timecodes and thumbnail previews