Leon Wong

B.S., Computer Science, University of Oregon | Expected Dec 2026

Work Authorization | U.S. Permanent Resident (No sponsorship required)

linkedin.com/in/leonwongwtw
github.com/LeonWTW
leontatwing@gmail.com
+1 (646) 207-6188

*Computer Science student with a Mathematics minor and hands-on experience in **full-stack web development, data analysis, and UX/UI design**. Proficient in **Python, C, Flask, JavaScript, and MongoDB** for developing scalable, data-driven applications. Skilled in **integrating front-end and back-end systems** using **Docker and REST APIs**. Seeking a **Software Engineering or Data Analytics internship** to apply technical and analytical skills to real-world product development.*

EDUCATION

UNIVERSITY OF OREGON GPA: 3.2 / 4.0

Bachelor of Science in Computer Science | Minor in Mathematics
University of Oregon, College of Arts and Sciences, School of Computer and Data Sciences, Eugene, OR
Expected Graduation: Dec 2026
Relevant Coursework: Data Structures & Algorithms, Operating Systems (C/C++ and Unix), Database Systems, Machine Learning, Applied Statistics, Linear Algebra, Discrete Mathematics

TECHNICAL SKILLS

Languages : Python, C, C++, Java, SQL, HTML, CSS, JavaScript, TypeScript, Bash
Frameworks & Tools : Docker, Linux, AWS, Flask, REST APIs, Git, GitHub, Makefile, Shell Scripting, Conda, Venv, Jupyter Notebook, Postman
Data & Analytics : Pandas, NumPy, SQL, Scikit-learn, PyTorch, MongoDB, Matplotlib, Seaborn, Excel
Software Concepts : Object-Oriented Programming (OOP), Design Patterns, Modular Programming, Algorithm Design, Data Structures, Time Complexity, Space Optimization, Memory Management, Concurrency, Testing & Debugging (Unit Testing, pytest), Git Workflow (Branching & Merging)

TECHNICAL PROJECTS

Full-Stack REST API Web Service — Flask + Docker + MongoDB

- Built and deployed a RESTful web application using Flask, JavaScript, and AJAX to handle asynchronous data requests and updates.
- Implemented modular CRUD endpoints and containerized the stack with Docker for consistent deployment.
- Integrated MongoDB for persistent data storage and documented REST APIs using Postman, improving UX flow for the final MVP release.

TradeLab — Backtesting Tool for Trading Strategies

- Developed a Python-based backtesting system to test and compare stock trading strategies using historical market data from *yfinance*.
- Built modular components for data retrieval, signal generation, and performance evaluation (ROI, Sharpe ratio, drawdown).
- Designed a command-line interface (CLI) with *argparse* for configurable simulations and efficient parameter tuning.
- Visualized results using Matplotlib, including equity curves, price trends, and buy/sell markers.
- Applied software design principles and unit testing (pytest) to ensure reusability, accuracy, and maintainable code structure.