




Wu Li

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EDUCATION

University of Massachusetts Lowell

Lowell, MA

Bachelor of Science in Computer Science

- Coursework: Probability & Statistics, Data Structures & Algorithms, Discrete Mathematics, Calculus 2, Web Development, Object-Oriented Programming (C/C++), Database

WORK EXPERIENCE

Cambridge Strength

Arlington, MA

Freelance Developer

March 2025 - May 2025

- Developed and deployed a custom WordPress plugin for a local gym, streamlining member access and on-site communication for over **240** concurrent members.
- Integrated PushPress to securely manage payments, memberships, and client data, enabling seamless billing and automated account syncing.

Microcenter

Cambridge, MA

Inventory Specialist

July 2018 - July 2021

- Optimized operational workflows by overseeing inventory cycle counting processes, including accounting and reporting surplus, product returns, and damages.

PROJECTS

ResNet-50 SE - *Medical Imaging, Python, PyTorch, ResNet-50, VGG16, OpenCV, NumPy*

- Built a CNN-based model to classify OCT retinal scans into four categories, aiding early detection and improving diagnostic accessibility in ophthalmology.
- Fine-tuned ResNet-50 and built a SimpleCNN baseline with data augmentation, weighted loss, and attention to handle class imbalance and improve interpretability.

SmartShopper - *Firebase, Bootstrap, JavaScript, Google API*

- Developed and deployed SmartShopper, a full-stack app for creating grocery lists and finding the cheapest nearby deals using Firebase, Bootstrap, and Google Maps API.
- Built auth, item tracking, modular discount logic, and store rankings with Firestore.

PhotoMagic - *SFML, C++, Makefile, Ubuntu*

- Developed an image encryption tool in C++ using a 16-bit Fibonacci LFSR and SFML, with validation via Boost unit tests.

SKILLS & TECHNICAL TOOLS

Languages: JavaScript, TypeScript, Python, C, C++, Java, OCaml

Web Technologies: React, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap, WordPress

Technologies: Git, MongoDB, Docker, Firebase, AWS, NoSQL, MySQL, PyTorch, NumPy

Developer Tools: GitHub, Figma, Railway, VSCode, Linux, NPM, Jupyter Notebook