



# Wu Li

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## EDUCATION

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### 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

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### 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

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### 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

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**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