

# Bennett R. Wu

Personal info redacted. Please contact me via [LinkedIn](#).  
bwu.dev || [github.com/bennettwu](#) || [linkedin.com/in/bennett-wu](#)

## Education

### University of Illinois Urbana Champaign

GPA 3.98 / 4.00

*Bachelor of Science in Computer Science*

*Expected May 2025*

*Professional Master of Computer Science*

*Expected May 2026*

- **Coursework:** Artificial Intelligence, Computational Photography, Computer Architecture, Database Systems, Parallel Programming
- **In Progress:** Cryptography, Programming Languages and Compilers

## Work Experience

### Expedia Group

Chicago, IL

*Software Development Engineer Intern*

*May 2024 - July 2024*

- Eliminated 184 duplicate licenses by migrating Salesforce integration to merged instance to help
- Advanced new feature development by developing Kafka consumer to process ad campaign events in a Kotlin SpringBoot application
- Owned projects throughout CI/CD pipeline and ultimately deployed to production
- Developed communication skills while coordinating with others to understand and validate project specifications

### University of Illinois

Champaign, IL

*Course Assistant (CS 128)*

*Aug 2023 - May 2024*

- Facilitated student understanding of C++ concepts including pointers, memory management, object inheritance, file streams; receiving positive feedback for effective teaching

### AbbVie

North Chicago, IL

*Summer Worker*

*May 2023 - Aug 2023*

- Slashed time from one week to a few minutes for nuclear magnetic resonance spectra analysis through automation with Python scripts
- Ensured seamless machine learning data collection by building web application on AWS for scientists to quickly view and correct machine predictions while generating result report

## Projects

### Grocery Aid

[github.com/bennettwu/Grocery-Aid](#)

*Docker, MySQL, React.js, Node.js, TypeScript*

*Jan 2024 - May 2024*

- A web app for exploring and comparing prices of grocery items between stores
- Implemented several MySQL queries using stored procedures and transactions and containerized application using Docker Compose

### Focus Stacking

[github.com/bennettwu/focus-stacking](#)

*OpenCV, Matplotlib, Python*

*Aug 2023 - Dec 2023*

- Developed Python scripts to convert images taken at different focal depths into a depth map and focus stacked image (all parts of image in focus)

### Pi Eye

[github.com/Pi-Eye](#)

*OpenCL, React.js, Node.js, C++, TypeScript*

*Apr 2022 - Nov 2022*

- An application for converting a Raspberry Pi into a security camera with motion detection
- Achieved 30x increase in motion detection FPS at 1080p compared to existing open-source project by engineering a GPU accelerated algorithm

## Technical Skills

**Languages:** C/C++, Python, JavaScript, TypeScript, Java, Kotlin, MySQL, PostgreSQL, MongoDB

**Frameworks:** React.js, Node.js, Express.js, Mocha, Jest, SpringBoot, OpenCL

**Libraries:** OpenCV, NumPy, PyTorch, Tensorflow, Matplotlib

**Technologies:** Git, Docker, GCP, AWS, VS Code, IntelliJ, Github Actions, Spinnaker, Kafka, GNU/Linux