

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

Bachelor of Science in Computer Science

GPA 3.98 / 4.00

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

Software Development Engineer Intern

Chicago, IL

May 2024 - July 2024

- Eliminated 184 duplicate licenses by migrating Salesforce integration to merged instance
- 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

Course Assistant (CS 128)

Champaign, IL

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

Summer Worker

North Chicago, IL

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

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

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

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

OpenCV, Matplotlib, Python

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

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

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

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

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