

Bennett R. Wu

Personal Info Reacted. Please use contact form at: bwu.dev/contact
github.com/bennettwu || linkedin.com/in/bennett-wu || bwu.dev

Education

University of Illinois Urbana Champaign

GPA 3.98 / 4.00

Bachelor of Science in Computer Science

Aug 2022 - May 2025

- **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](https://github.com/bennettwu/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