

Quan Dinh

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EDUCATION

Master of Science in Computer Science, GPA 4.00

Expected May 2026

Worcester Polytechnic Institute (WPI)

Worcester, MA

Relevant Coursework: Algorithms, Machine Learning, Design of Software Systems

Bachelor of Science in Computer Science, GPA 3.95

Expected May 2026

Worcester Polytechnic Institute (WPI)

Worcester, MA

Relevant Coursework: Software Engineering, OOD Concepts, Database System, Operating System

PROJECTS

ProjectForce

Aug 2025 - Mar 2026

Full-Stack, 7Factor

Atlanta, GA

- Enhanced the staffing tool for 7Factor, implementing core functionalities using **React** and **Node.js** to simplify real-time management of distributed engineering teams.
- Scaled employee assignment capabilities from single-entry to a bulk-selection system with recommendation logic to manage 100+ profiles simultaneously.
- Streamlined team allocation by developing a constraint-based autofill system that cross-references employee role proficiency and availability.

DoodleDetective: AI-Powered Mobile Game [[Link](#)]

Mar 2025 - May 2025

Full-Stack, Worcester Polytechnic Institute

Worcester, MA

- Built a fast-paced **Kotlin** mobile game that utilizes a HuggingFace Sketch Recognition model to evaluate user drawings across 100 categories in real time.
- Implemented a cloud-native inference pipeline using **Flask**, enabling offloading of image classification to remote endpoints.
- Engineered a “Shake-to-Undo” feature using accelerometer data and managed a persistent **SQLite** leaderboard.

Explore Your Rivers App [[Link](#)]

Aug 2024 - Oct 2024

Full-Stack, Massachusetts Rivers Alliance

Boston, MA

- Developed a cross-platform mobile app using **Expo** to promote recreational activities around Massachusetts and spread awareness on local environmental issues.
- Mentored 3 teammates on **React Native** and **Supabase**, fostering a collaborative environment that increased team delivery velocity.
- Designed 12+ UI prototypes in **Figma** aligned with the sponsors' expectations
- Utilized **PostgreSQL** with **PostGIS** extensions to manage geospatial data, enabling precise calculation of user-to-location distances.

SKILLS

Languages: Java, Python, Javascript, C/C++, HTML/CSS, SQL

Frameworks/Libraries: React, React Native, ASP.NET, Node.js, Docker

Databases: PostgreSQL, SQLite

Tech: Git, Datagrip, Supabase, Figma, AWS, Microsoft Azure, PyTest, Vitest

ACHIEVEMENT

Charles O. Thompson Scholar, WPI

Sep 2023

Dean's List, WPI (All Semesters)

2022 - 2025