

# Quan Dinh

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## EDUCATION

**Master of Science in Computer Science**, GPA 4.00

*Worcester Polytechnic Institute (WPI)*

Expected May 2026

*Worcester, MA*

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

**Bachelor of Science in Computer Science**, GPA 3.95

*Worcester Polytechnic Institute (WPI)*

Expected May 2026

*Worcester, MA*

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

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## PROJECTS

### ProjectForce

*Full-Stack, 7Factor*

Aug 2025 - Mar 2026

*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 [\[Link\]](#)

*Full-Stack, Worcester Polytechnic Institute*

Mar 2025 - May 2025

*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 [\[Link\]](#)

*Full-Stack, Massachusetts Rivers Alliance*

Aug 2024 - Oct 2024

*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.
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## 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

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## ACHIEVEMENT

Charles O. Thompson Scholar, WPI

Dean’s List, WPI (All Semesters)

Sep 2023

2022 - 2025