

# Quan Pham

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github.com/HoneyBadger2006

## EDUCATION

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### Seattle University

Sep 2024 - Jun 2028

*Bachelor of Science in Computer Science; GPA: 3.5*

*Seattle, WA*

## RELEVANT COURSEWORK

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- Data Structures (C++)
- Database Systems (SQL)
- Computer Organization (Assembly)
- Object Oriented Programming (C#)
- Linear Algebra (Python)
- Foundations of CS (C++)

## TECHNICAL SKILLS

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**Languages:** Python, C++, Kotlin, JavaScript, TypeScript, SQL, C#, Assembly

**Systems/Tools:** Git, GitHub, VS Code, Android Studio, (Linux basic if applicable)

**Data/Analysis:** Pandas, Matplotlib, data cleaning/validation, reproducible workflows

**Backend/DB:** PostgreSQL (Supabase), MongoDB, schema design, query optimization basics

**Strengths:** performance-minded debugging, troubleshooting, working across software + systems layers

## PROJECTS

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### NYC Transportation Data Analysis

Jan 2025

*Columbia University Winter Project*

*Seattle, WA*

- Processed large-scale collision datasets using **Python** (Pandas) to identify trends in frequency, severity, and contributing factors.
- Built **Matplotlib** visualizations and analysis summaries to surface high-risk patterns and validate findings through data checks.
- Improved reliability by cleaning messy fields, handling missing values, and documenting a reproducible pipeline for re-runs.

### Hotel Booking Database System

Jan 2026 - Mar 2026

*Database Systems Course Project, Seattle University*

*Seattle, WA*

- Designed and implemented a relational database supporting reservations and availability tracking; created ER diagrams and normalized schemas.
- Wrote and optimized **SQL** queries for booking workflows and availability checks; verified correctness using representative test cases.
- Collaborated in a team of four; owned parts of the schema and queries end-to-end with documentation and review.

### Mock My Days (Mobile App + Backend)

Jan 2026

*Seattle University ACM Hackathon*

*Seattle, WA*

- Built a working app in 24 hours using **React Native (Expo)** and **TypeScript**, delivering under ambiguity and strict deadlines.
- Implemented data persistence with **Supabase (PostgreSQL)** and **SQL** to support core flows and app state.
- Debugged issues rapidly by reproducing failures, isolating root causes, and validating fixes with logs and targeted checks.

## EXPERIENCE

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### Esports Attendant

Nov 2025 - Present

*Seattle University Recreation (UREC)*

*Seattle, WA*

- Troubleshoot hardware, OS, software, and network issues to keep shared systems stable during peak usage.
- Apply a systematic approach (isolate variables, test fixes, verify stability) and communicate clearly with users and staff.

### Hackathon Participant

Sep 2025

*Naver Vietnam Hackathon*

*Hanoi, Vietnam*

- Developed a prototype in 48 hours using **Kotlin**, **React.js**, and **Python**; contributed to debugging and integration.
- Worked across frontend/backend tasks and delivered a demo aligned with requirements under time pressure.