

# Hang T. Pham

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## EDUCATION

### Princeton University | Princeton, NJ

Aug. 2022 – June 2026

B.S.E. in Computer Science; Certificate in Statistics and Machine Learning, Finance

GPA: 3.90/4.00

**Relevant Coursework:** Advanced Topics in CS: Long Term Memory in AI (graduate-level), Algorithm and Data Structure, Principles of Computer System Design, ML & Pattern Recognition, Intro. to Programming Systems

## SOFTWARE ENGINEERING EXPERIENCES

### Software Engineering Intern | Aspiritech | Evanston, IL

June 2023 – Present

*React • Flask • PostgreSQL • JavaScript (for extension)*

- Develop a dashboard-style website with state-of-the-art security and WCAG 2.1 that improves the workflow of testers and provides clients with live updates of quality assurance testing results.
- Program a Google Chrome extension to aid in quality-assurance testing compliant with WCAG 2.1 standards.

### Software Engineering/Machine Learning Intern | Ticket Wallet | Princeton, NJ (Remote)

May 2023 – Present

*Django/Django REST • Flutter • PostgreSQL (AWS RDS) • AWS EC2, S3, SageMaker • Docker • PyTorch*

- Build multi-modal models with time series data and NLP for high-stakes real-time decision-making.
- Implement RESTful endpoints to perform CRUD operations for authorized users on data from PostgreSQL databases.
- Contribute to the UI design, development, and testing of the website and mobile application.

### Software Engineer | 'The Daily Princetonian' Tech Team | Princeton, NJ (Remote)

Jan. 2023 – Present

*React/React Native • NodeJS • Flask/Flask-RESTful • PostgreSQL (AWS RDS) • Google Firebase*

- Create dynamic data templates and components for the various news sites and the mobile application.
- Manage backend operations for in-app advertisements on the Campus pages of the mobile application.
- Develop a photograph archive site for the "This Week in Photos" project for writers to easily showcase their photos.

### Software Development Intern | Vietnam National University | Hanoi, Vietnam

June 2022 – Aug. 2022

*React • NodeJS • MongoDB • MySQL*

- Collaborated with Professor Trien and his team of students to develop a live website for agriculture graduate students.
- Processed sensor data and live footage of plants, integrating the data into MongoDB and MySQL databases.

## SOFTWARE DEVELOPMENT PROJECTS

### Snapshot | Website | Team-based

June 2022

- Developed a site, trained with GPT, which summarizes, process, and showcases daily news in a digestible fashion.

### VietFood | Mobile Application | Individual

Feb. 2021 – May 2022

- Built a mobile platform, targeted towards Houston's Vietnamese community, where users can share and rate recipes.

### BoxOut & AstroGhost | Video Game | Individual

Dec. 2020 – April 2022

- Designed, programmed, and deployed a puzzle game titled *BoxOut* and RPG game titled *AstroGhost* with Java.

## EXTRACURRICULAR

### Undergraduate Course Assistant | Department of Computer Science | Princeton, NJ

Feb. 2023 – May 2023

- Graded over 200 works from students taking 'COS226: Data Structure and Algorithm' across seven assignments.

### Digital Learning Lab Specialist | Digital Learning Lab | Princeton, NJ

Sept. 2022 – May 2023

- Provided technical assistance in computer programming, data analysis/visualization, and video/audio production.
- Led a workshop on typographic art creation and design with Adobe Illustrator (intermediate level).

## SKILLS

**Programming Languages:** Java, Python, JavaScript, TypeScript, C++, SQL, R, HTML, CSS, C, Assembly ARMv8.

**Frameworks / Technologies:** React/React Native, NodeJS/Express, Django, Flask, Android Studio, Flutter, PostgreSQL, MongoDB, MySQL, Google Firebase, PyTorch/TensorFlow, Docker, Linux, Git/GitHub, Adobe Illustrator, Figma.

**Languages:** English (Fluent), Vietnamese (Native), Spanish (Conversational), French (Conversational).