

Hang T. Pham

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EDUCATION

Princeton University | Princeton, NJ

Aug. 2022 – June 2026

GPA: 3.90/4.00; BSE in Computer Science; Certificate in Statistics and Machine Learning, Finance.

WORK/INTERNSHIP EXPERIENCES

Software Engineer Intern | Aspiritech | Evanston, IL

June 2023 – Present

- Develop a dashboard-style website that provides Aspiritech's clients with live updates of quality assurance testing results from QA testers through TestRail's test suites. *React, Flask, PostgreSQL, Figma*.
- Develop Google Chrome extension to aid in quality-assurance testing compliant with WCAG 2.1 standards.

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

May 2023 – Present

- Develop ML model using MLP and time series data to dynamically predict best ticket prices with *AWS SageMaker*.
- Implement RESTful endpoints to perform CRUD operations on data from *PostgreSQL* database through *Django REST*.
- Contribute to the UI design, development, and testing of the mobile and web application. *Flutter, Django, Figma*.

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

Jan. 2023 – Present

- Build front-end native components and implement in-app advertisements on the Campus' pages for the news organization's mobile app with *React Native/Redux, Flask/Flask-RESTful, Google Firebase, AWS RDS*.
- Develop a photograph archive site for the "This Week in Photos" project with *React, NodeJS, Google Firebase*.

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

Sept. 2022 – May 2023

- Provide technical assistance to Princeton University's community in areas of computer programming, video editing and production, audio recording/editing, graphic design, music production, and data analysis/visualization.
- Lead a workshop on typographic art creation and design in *Adobe Illustrator* (intermediate level).

Software Development Intern | Vietnam National University | Hanoi, Vietnam

June 2022 – Aug. 2022

- Collaborate with Professor Trien and his team of VNU students to develop a website that provides live updates of plants through sensor and camera footage of the university's greenhouse. *React/Redux, Express, MongoDB, MySQL*.

PERSONAL SOFTWARE DEVELOPMENT PROJECTS

Mobile/Website Development

Feb. 2021 – Present

- Develop *VietFood*, an app that provides intuitive instructions for popular Vietnamese cuisine. *Android Studio, SQLite*.
- Develop *SnapShot*, a website that provides news in a concise, digestible fashion. *React, Google Firebase, OpenAI API*.
- Develop a financial literacy simulation game educating players on personal finance for HackPrinceton 2023 with *React*.

Game Development

Aug. 2020 – Aug. 2022

- Develop *BoxOut* (puzzle) and *AstroGhost* (RPG). Redevelop (with modifications) over a dozen games like *Hangman*.

LEADERSHIP ROLES

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

Feb. 2023 – May 2023

- TA (grader) for Princeton 'COS226: Data Structure and Algorithm.'

Graphic Designer | Princeton Student Government and IgniteSTEM | Princeton, NJ

Aug. 2022 – Present

- Design social media posts/posters, annual reports, and newsletter graphics. *Adobe Illustrator, Canva*.

Founder, Head of Marketing and Finance | Alluring Vietnam | Hanoi, Vietnam

May 2019 – Nov. 2020

- Found a non-profit promoting Vietnam's hidden gems with videos/workshops. Manage finance/fundraising, marketing.

AWARDS & SKILLS

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

Frameworks / Technologies: React/React Native, NodeJS/Express, Django, Flask, Android Studio, Flutter, PostgreSQL, MongoDB, MySQL, Firebase Database, Adobe Illustrator, Figma, Git/GitHub.

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