

Hang T. Pham

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EDUCATION

Princeton University, Princeton, NJ

Aug. 2022 – June 2026

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

Lamar High School, Houston, TX

Jan. 2020 – June 2022

Unweighted GPA: 4.00/4.00; Weighted: 4.77/5.00; SAT: 1570 (R/W: 770, M: 800); IB Diploma Candidate

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 human testers through TestRail. *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 components and implement in-app advertisements on multiple pages for mobile app with *React Native*, *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.

Software Development Intern: Vietnam National University, Vietnam

June 2022 – Aug. 2022

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

PERSONAL SOFTWARE DEVELOPMENT PROJECTS

Website Development

June 2022 – Present

- Develop *SnapShot*, a website that provides news in a concise, digestible fashion with *React*, *Google Firebase*.
- Develop a financial literacy simulation game educating players on personal finance for HackPrinceton 2023 with *React*.

Mobile Development

Feb. 2021 – Present

- Develop *VietFood*, an app that provides intuitive instructions for popular Vietnamese cuisine. *Android Studio, SQLite.*

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 (Grader): Department of Computer Science, Princeton NJ

Feb. 2023 – May 2023

- TA 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

Awards: COSCON (2023), Aspiration in Computing (2022), National Merit Award (2021), Gifted & Talented Program (2019).

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

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

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