

Angel Tang

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EDUCATION

PRINCETON UNIVERSITY

Bachelor of Arts in Computer Science

PRINCETON, NJ

Expected Graduation: May 2027

- Cumulative GPA: 3.91/4.00 | Major GPA: 3.94/4.00
- Minor in Statistics & Machine Learning | Certificate in Cognitive Science
- Completed Coursework: Algorithms and Data Structures, Advanced Programming Techniques
- Current (Fall 2025) Coursework: Modern Data Science Methods, Introduction to Machine Learning

EXPERIENCE

NIANTIC SPATIAL INC.

SAN FRANCISCO, CA

Software Engineer Intern

May 2025 – August 2025

- Developing a standalone macOS application using Unity to enable localization debugging and interactive visualization of Virtual Positioning System (VPS) data, integrating dynamic graphs and file selection tools
- Engineering a VPS debugging backend featuring multi-source data collection with frame-accurate correlation and JSON logging; implemented real-time statistical analysis including median-based outlier detection, efficient spatial binning and time-series visualization, supporting live monitoring and historical playback for robust AR diagnostics
- Built a location-aware ambient music app during the company-wide hackathon, streaming AI-generated music through Meta Ray-Bans based on user surroundings; led geospatial web scraping and Esri geospatial data integration to infer landmarks and atmosphere, contributing to a prototype now being prepared for productization

CODE.ORG

SEATTLE, WA

Elementary Coding Curriculum Support Intern

May 2024 – June 2024

- Documented the functional specifications and characteristics of 150 coding blocks, ensuring comprehensive coverage, and invested approximately 60 hours in developing, testing, refining, and integrating the documentation
- Enhanced CSS files to ensure precise linkage of each coding block to its respective documentation page, employing advanced CSS and HTML techniques to seamlessly integrate documentation with the existing codebase

JANE STREET

NEW YORK, NY

WiSE Attendee

August 2023

- Participated in a challenging multi-day program designed to educate women, transgender, and gender-expansive individuals on the application of mathematics, computer science, and probability concepts in quantitative trading
- Engaged with industry leaders during the event, participating in probability and trading games that sharpened quantitative decision-making skills and provided practical exposure to the dynamic nature of financial markets
- Developed functional programming skills in interactive sessions that provided hands-on experience with OCaml

SCHOOL & LEADERSHIP

HACKPRINCETON

PRINCETON, NJ

Web Developer

September 2023 - Present

- Developed a full-stack judging system using React and Flask, implementing real-time score tracking and unique judge-team assignment logic to prevent duplicate evaluations, deployed on Heroku with a PostgreSQL database
- Engineered a scalable backend architecture with RESTful APIs and SQLAlchemy ORM, featuring automatic database initialization, CORS support, secure data validation, and error handling, while maintaining data integrity

AI@PRINCETON

PRINCETON, NJ

Member

September 2023 – Present

- Gaining exposure to both fundamental and advanced AI concepts, encompassing machine learning, deep learning, neural networks, and their practical applications in computer vision, natural language processing, and data analysis
- Attending lectures and hearing from industry leaders in reinforcement learning, generative adversarial networks (GANs), and model optimization techniques, gaining an understanding of AI solutions for real-world problems

TIGERPOP

PRINCETON, NJ

Web Developer

February 2025 – May 2025

- Spearheaded a full-stack marketplace application using React and Flask, implementing secure user authentication, a real-time bidding system, a favorite listing feature, and image upload functionality with Cloudinary integration
- Programmed a responsive web application with dynamic search filtering, user dashboards for buyers and sellers, item availability tags, and a real-time updated hot items status for seamless user experience, deployed on Heroku

SKILLS & ADDITIONAL

Language/Frameworks/Tools: Java, Python, C#, C, JS, HTML/CSS, React, Unity, Git/GitHub, IntelliJ, VSCode

Interests: Trauma Psychology, ESL Teaching, Chinese and Taiwanese Indie Rock Music, Theater Production, Tennis