

Kevin Y. Cai

kevincai357@gmail.com | (469) 970-6261 | linkedin.com/in/kevincai357 | github.com/itskevbo | Dallas, Texas

PROFESSIONAL SUMMARY

Dedicated Penn State Computer Science major with a strong foundation in mathematics and software development. Proven ability to lead cross-functional teams while implementing innovative technical solutions.

EDUCATION EXPERIENCE

The Pennsylvania State University

University Park, PA

Bachelor of Science in Computer Science

Expected: Spring 2026

Minor in Mathematics

GPA: 3.20

Coursework: Data Structures and Algorithms, Multi-Variable Calculus, Matrices, Intro to Probability, Intro to Mathematical Statistics, Numerical Computations

SKILLS

Programming: R, SQL, Python, Java, Swift, JavaScript, TypeScript, CSS, JSON, HTML, C/C++/C#

Applications: PyTorch, NumPy, scikit-learn, Core ML, Node.js, Next.js, Supabase, MATLAB, Git, LaTeX, MS Office

Languages: English (Native), Chinese (Fluent), French (Conversational)

PROJECT EXPERIENCE

Relevant Projects: JavaScript | TypeScript | SQL | Java | Python

Fall 2022 – Spring 2025

- *Subscription Tracker:* Programmed a fully functional web application with database integration for keeping track of subscriptions and calculating the totals charged, utilizing Supabase for database management.
 - *Class Scheduler:* Developed an interactive Java-based application, complete with user-friendly GUI and backend database integration, to streamline class-scheduling process whilst providing administrative insights.
-

WORK EXPERIENCE

HackPSU: Contestant

Spring 2025

- Designed an award-winning Augmented Reality project “LiDARcade” for iOS during a 24-hour hackathon.
- Collaborated with a team of 5 to solve the Penn State Institute of Computational and Data Science LiDAR challenge. Combined Swift, and SwiftUI for Frontend development, Supabase database for score-tracking and progress, and a Python machine-learning model utilizing scikit-learn/Core ML for player progress modelling.

Penn State NittanyAI Machine Learning Club: Student Developer

Fall 2023 – Fall 2024

- Constructed projects such as a stock market prediction model that achieved prediction accuracy of 90.24% and a functional chatbot that delved into real-world problem-solving, working both solo and in teams of 2-4.

TEDxPSU: Developer

Fall 2022 – Spring 2023

- Selected to work with a team of 12 other TEDx members as a part of the organization’s technology team.
 - Utilized Angular and TypeScript Full-Stack development for the development of the organization’s website.
-

LEADERSHIP EXPERIENCE

Penn State NittanyAI Leadership Camp: Team Leader

Fall 2023 – Fall 2024

- Represented a team of 8 students in pitching the startup concept “SafeSail” to a panel of company representatives, securing a top position and gaining project management experience in the process.