

Alex Li

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EDUCATION

Temple University

Philadelphia, PA

BS Computer Science, Mathematics and Data Science Minor

Aug. 2021 – May 2025

- **Relevant Coursework:** Discrete Math, Calculus III, Linear Algebra, Statistics II, Data Structures & Algorithms, Web App Programming, Operating Systems, Computational Methods in Finance, User Experience Design, Principles of Data Science, Foundations of Machine Learning, Data-Intensive and Cloud Computing

EXPERIENCE

Onvector

February 2024 – Present

IT Administrator

On-site | *King of Prussia, PA*

- Provided technical support and troubleshooting for software, hardware, and network issues, ensuring minimal disruption and increasing system reliability.
- Assisted in the installation, configuration, and maintenance of IT systems, contributing to seamless deployments and reducing system downtime.
- Monitored network performance and ensured optimal up-time, proactively addressing issues to improve reliability and productivity.

Temple University

August 2022 – Present

Teaching Assistant for CIS 1166, 2033, 3223

Philadelphia, PA

- TA of Discrete Mathematics for Professor Beigel (2022)
- TA of Data Structures & Algorithms for Professor Hughes, Computational Probability & Statistics for Professor Belokar (2024/5)
- Oversaw recitations and held office hours for **200+** students, addressing theoretical concepts and grading assignments, enhancing student comprehension and engagement.
- Assisted lead professor in planning and implementing engaging lessons, contributing to more interactive and effective learning experiences.

PROJECTS

X-Fire | React Native (Expo), JavaScript, AWS Lambda, Twilio API, YoloV9, PyTorch April 2024 – April 2024

- Led a team of four and pitched to multiple judges to secure 3rd place in the beginner category and secure victory in the Comcast sponsored track, triumphing over **63** teams and **450+** competitors, earning a prize of \$1500.
- Implemented a **React Native** application using **AWS** serverless architecture and **Twilio** integration, featuring live fire detection and push notification alerts for users, with seamless communication to authorities through the app.
- Utilized **YOLOv9** and **PyTorch** for fire detection, enhancing functionality with live data processing and seamless user experience.

MedMemo | React (Next.js), Python, Flask, GPT-4, Azure OCR, Supabase

January 2025 – May 2025

- Built a full-stack AI-powered health tech application using React, Flask, and Supabase to convert unstructured medical transcripts into structured summaries, improving patient understanding and healthcare outcomes.
- Developed and implemented GPT-4-based NLP pipelines to extract diagnoses, treatments, and key insights from medical dialogues, resulting in more clear and actionable medical records for patients and providers.
- Integrated Azure OCR to extract key information from doctor-provided medical documents, enabling the digitization of visit notes for use in AI-driven summarization and improving accessibility for users.
- Engineered secure user authentication and storage using Supabase to ensure patient privacy and maintain persistent health records, aligning with healthcare data standards.

TECHNICAL SKILLS

Languages: Java, Python, C, SQL (Oracle, MySQL), JavaScript, HTML/CSS

Frameworks/Libraries: React, Node.js, TailwindCSS, Spring, JUnit, NumPy, Pandas, PyTorch

Technologies/Tools: Git, VS Code, IDEA, Figma, npm, Maven, Jupyter Notebook

ACTIVITIES

Secretary, Temple Trading Club (TTC)

Jan. 2024 – Present

Member, Association for Computing Machinery (ACM)

Sep. 2021 – Present