Trevor Flick

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Education

Temple University – College of Science and Technology   Philadelphia, PA
Bachelor of Science in Computer Science   August 2020 – December 2024
GPA: **3.63** | Dean's List: Spring 2024
Selected Courses: Systems Programming and Operating Systems, Software Design, Machine Learning, Linear Algebra, Computational Probability and Statistics, Principles of Database Systems, UX Design

Technical Skills

Languages: C, Python, Java, SQL, JavaScript
Web Technologies and Databases: HTML, CSS, MySQL, MongoDB, PostgreSQL
Frameworks and Libraries: Flask, Django, FastAPI, React, Pandas, NumPy, Scikit-learn, TensorFlow
Developer Tools: Git, GitHub, VS Code, AWS, Jira

Work and Research Experience

HCI Lab Research Lead   January 2024 – Present
Temple University CIS Department

- Led a 4-person team to investigate student values regarding **LLMs** and **query formulation techniques** at Temple University's **largest** and **fastest-growing** Computer Science research lab.
- Conducted **exploratory data analysis** using Python and utilized **NLP techniques** for preprocessing to develop **machine-learning models** for the project.

Lab Consultant   January 2023 – December 2024
Temple University CIS Department

- Diagnosed and troubleshot **hardware malfunctions** for students and TAs, including computers, printers, and peripherals.
- Resolved **software problems**, including installation issues, compatibility errors, and system crashes.

Peer Tutor   August 2024 – December 2024
Temple University CIS Department

- Supported students in the Computer and Information Sciences Department, serving a student body of over **1,000 undergraduates**, by assisting with fundamental concepts, programming methods, and techniques across major curricula.
- Provided **one-on-one academic support** to over **15 students weekly**, focusing on classwork from '**Data Structures and Algorithms**' and '**Systems Programming and Operating Systems**.'
- Developed study guides and provided additional online resources for students to cover misunderstood material.

Projects and Achievements

Money Tree: Financial AI

- Collaborated with a 5-person team to develop a **full-stack web application** that **analyzes user financial data**, including expenses, savings, and income, and generates budget recommendations based on an **expense categorization system**.
- Developed the backend using **Flask**, incorporating **SQLAlchemy** for database management and integration of user financial data.

OwlHacks 2023 Winner

- Awarded "Best Philly Special" project at Temple University's annual OwlHacks hackathon for developing a mobile application using **Android Studio** and **Kotlin** to help Philadelphia residents plan local picnic events, competing against **30 projects** within a **24-hour timeframe**.

Activities

Logistics Team Member | OwlHacks   January 2024 – October 2024

- Coordinated with sponsors to provide resources for the **fully student-led** OwlHacks 2024 hackathon, which attracted more than **300 attendees**.

Design Team Member | OwlHacks   January 2024 – October 2024

- Designed various components of OwlHacks social media content using **Photoshop, Canva**, and **Figma** to grow the Instagram page to over **500 followers**.
- Contributed to the development of a **cohesive brand identity** for the event, including **logo** and **website design**, aligning with the "Around the World" theme.