

Trevor Flick

me@trevorflick.com | trevorflick.com | github.com/trevflick | linkedin.com/in/trevor-flick | Philadelphia, PA

Technical Skills

Programming Languages: C, Python, Java, SQL, JavaScript

Web Technologies and Databases: MySQL, PostgreSQL, Tableau, MongoDB, HTML, CSS

Cloud and DevOps: AWS (EC2, S3, Lambda, RDS), CI/CD (GitHub Actions)

Frameworks and Libraries: Flask, Django, FastAPI, React, Pandas, NumPy, Scikit-learn, Terraform

Testing and Quality Assurance: Performance Testing, System Testing, Selenium, Unit Testing

Agile and Collaboration: Scrum, Jira, Confluence, Git

Work and Research Experience

Project Manager & Research Lead

January 2024 – Present

Temple University Human-Computer Interaction Lab

- Led a **4-person agile team** in developing a **machine learning model** to predict trends in **generative AI** usage.
- Applied **EDA** and **sentiment analysis** in **Python** to preprocess and categorize text data, training a **logistic regression model** that achieved an **F1-score** of 74% accuracy.
- Designed and implemented **structured data reporting workflows** to effectively communicate research findings to the principal investigator and presented insights at Temple University's Research Scholars Program Symposium.

IT Support Coordinator

January 2023 – December 2024

Temple University CIS Department

- Managed hardware and software deployment and troubleshooting using **Windows Server**, **Linux**, and **network diagnostics tools**, ensuring smooth lab operations for over **1,000** students and faculty.
- Developed issue-tracking workflows with **Jira**, improving response time and efficiency in resolving support requests.

Academic Tutor

August 2024 – December 2024

Temple University CIS Department

- Offered personalized academic support to over **15 computer science students weekly**, assisting with exam preparation, projects, and assignments while reinforcing core concepts from '**Data Structures and Algorithms**' and '**Systems Programming/Operating Systems**' through tailored guidance and programming methodologies.
- Developed **interactive coding exercises** and hands-on problem-solving sessions, enhancing student engagement and comprehension of complex topics.

Projects and Achievements

Money Tree: Financial AI

- **Scrum Master** for a 5-person team developing a **full-stack web application** that analyzes user financial data, including expenses, savings, and income, and generates budget recommendations based on a **custom-built AI expense categorization system**.
- Designed and implemented **AWS-hosted backend** using **Flask** and **SQLAlchemy** for efficient database management and financial data processing.
- Led **Agile development cycles**, facilitating sprints, stand-ups, and retrospectives to ensure efficient project execution.

OwlHacks 2023 Hackathon Winner

- Awarded **Best Philly Special** for developing a **mobile application** that facilitates local event planning.
- Utilized **Kotlin** and **Android Studio**, competing against **30+ teams** within a 24-hour development sprint.

Volunteer Work

Logistics Team Member

January 2024 – October 2024

Temple University OwlHacks

- Coordinated logistics for a **300+ attendee hackathon**, handling sponsor relations, budgeting, and resource allocation.
- Managed scheduling and execution of workshops featuring speakers from **Google** and **Microsoft**, ensuring smooth session flow and an engaging experience for participants.

Education

Temple University – College of Science and Technology

Philadelphia, PA

Bachelor of Science in Computer Science

GPA: **3.63**

Selected Courses: Systems Programming and Operating Systems, Software Design, Machine Learning, Linear Algebra, Computational Probability and Statistics, Principles of Database Systems, UX Design