

JAKE LAWRENCE

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EDUCATION

Temple University • College of Science and Technology • Honors College

B.S. in Computer Science

Anticipated Graduation: December 2019

Major GPA: 3.84/4.0 • Overall GPA: 3.74/4.0 • Dean's List

EXPERIENCE

Software Engineering Intern

TBG Security

Summer 2017 – Present

- Developed a web application to enable remote administration and auditing of internal and client systems
- Developed a REST API to remotely control virtual machines and execute commands. Built with Python using Flask and SQLAlchemy
- Wrote and deployed an internal hardening and auditing script to all internal virtual machines and penetration testing machines

Co-Founder / Developer

Hack4Impact Chapter – Temple

Fall 2018 – Present

- Co-Founded Temple University's Hack4Impact Chapter, an organization that develops software for non-profit organizations that meets important humanitarian needs
- Lead a development team that created a full stack web application with React and NodeJS which enabled users to strengthen skills in regard to financial loans

Temple University

Undergraduate Researcher

Spring 2019 – Present

- Re-designed an existing web interface for a nationally used platform, TraffickCam, that fights against human trafficking through the use of Computer Vision
- Completed Stanford University Computer Vision coursework and various Computer Vision related assignments

Temple University

Teaching Assistant

Spring 2019 - Present

- Lead weekly lab sessions for students enrolled in CIS 3207 – Operating Systems
- Held office hours, revised lab concepts, and helped students understand the material
- Assisted faculty in the grading of lab assignments

President

TUDev

Summer 2017 - Present

- Organize hackathons such as Local Hack Day and OwlHacks
- Coordinate club meetings and presentations designed to teach more about Computer Science to club members

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, C, Bash, HTML, CSS, Matlab

Technologies: SQL, MongoDB (NoSQL), Flask, React, NodeJS, Git, Linux, Bootstrap, JQuery

Relevant Coursework: Data Science, Operating Systems, Data Structures and Algorithms, Software Design, Microservice Architecture, Computer Vision, Linear Algebra

PROJECTS

TUDev HackPack: A centralized web application that provides hardware for projects at no cost to the user. The site is running at hackpack.tudev.org. A full-stack application built with *Python, MongoDB, HTML, CSS, and JavaScript*.