

# JAKE LAWRENCE

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## EDUACTION

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**Temple University • College of Science and Technology • Honors College**

*B.S. in Mathematics and Computer Science*

*Anticipated Graduation: May 2020*

**Major GPA: 4.0 / 4.0 • Fall 2016, Spring 2017 Dean's List**

**Coursework:** Data Structures, Program Design and Abstraction, Discrete Mathematics, Linear Algebra, Computer System and Low-Level Programming, Calculus I-III

## EXPERIENCE / ACTIVITIES

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MAY 2017 – PRESENT

### SOFTWARE ENGINEERING INTERN

TBG SECURITY

- Developed a RESTful API to remotely control virtual machines and execute commands. Built with Python using Flask and SQLAlchemy.
- Created a web application that utilizes the functionality of the RESTful API to provide a centralized interface for organizing customer data for penetration testing. Built with HTML, CSS, Javascript, Bootstrap, Python, Flask, and MongoDB.
- Conducted security audits on internally developed applications to ensure a high level of security and prevent cyber attacks

JUL 2017 – PRESENT

### VICE-PRESIDENT

TUDEV

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

DEC 2016 - PRESENT

### VICE-PRESIDENT

TUSEC

- Orchestrate meetings and design presentations to help club members dive deeper into Information Security
- Present and demonstrate various Information Security topics to club members

## SKILLS

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Python	C	NoSQL	CSS	JQuery	Git	Bootstrap
Java	SQL	MongoDB	HTML	Javascript	Flask	

## PROJECTS

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### TUDev Hardware Checkout

[hardware.tudev.org](http://hardware.tudev.org)

- A centralized web application for checking out and requesting hardware for various side projects
- Built with HTML, CSS, Javascript, Bootstrap, Python, Flask, and MongoDB

### ScriptTube

[github.com/lawja/scripttube](https://github.com/lawja/scripttube)

- *Winner of Best Time Saver, HackNY, NYU (2017)*
- Developed a website that transcribes an indexed summary that links to topics covered in YouTube videos
- Built with HTML, CSS, Javascript, Bootstrap, Python, Flask