Jacob Cannon

267-886-6006 | jakemcannon@gmail.com | https://jakemcannon.github.io/

EDUCATION

Temple University, College of Science and Technology   **Expected Graduation: May 2021**
Bachelor of Science in Computer Science

Relevant Coursework:
Data Structures and algorithms, Discrete Mathematics I & II, Operating Systems, Low-Level Programming, Principles of Data Science, Program Design and Abstraction

WORK EXPERIENCE

SAP, Newtown Square, PA   **June 2019 – August 2019**
IT intern
- Oversaw development of a chatbot prototype to reduce IT ticket volume for Revenue Accounting team
- Developed API to connect chatbot to internal company knowledge bases with Python using Flask
- Created scripts to convert and clean data in company knowledge base

Temple University, Philadelphia, PA   **January 2019 – May 2019**
Lab Consultant
- Managed general-purpose computer lab
- Resolved technical issues for students, faculty, and staff
- Helped with troubleshooting enterprise software and hardware

PROJECTS

Flash Card Web API (Python, Flask, SQLite)   **Summer 2019**
- Developed RESTful API for creating flash cards to be implemented with Vue.js frontend
- Implemented all CRUD operations with Python, Flask and SQLite database
- Authentication was achieved with JWT

Public Trash Can Finder Bot (Python, Twitter API)   **Spring 2019**
- Created a Twitter bot that returns directions to nearest waste bin in Philadelphia
- Using the Twitter API, Python, and Flask the bot finds user's location and tweets nearest waste bin location
- Won Best Social Good Project at Temple University Owl Hacks contest 2019

Command Line Video Editor (Python, FFmpeg, YouTube-dl)   **Fall 2018**
- Developed a command line Interface with Python that edits videos based on keywords
- Finds word(s) in subtitles and uses FFmpeg and YouTube-dl for automated video slicing
- Used for automating video editing, batch editing, and GUI-free editing

TECHNICAL SKILLS

Programming Languages: Python, Java, HTML, CSS
Technologies: Flask, Django, Docker, Git, SQL, PostgreSQL, MacOS, Linux