

Jacob Cannon

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

EDUCATION

Temple University, College of Science and Technology
Bachelor of Science in Computer Science

Expected Graduation: August 2021

Relevant Coursework:

Data Structures & Algorithms, Discrete Mathematics I & II, Operating Systems, Software Design, Low-Level Programming, Web Application Development

WORK EXPERIENCE

Authentise, Philadelphia, PA

May 2020 – August 2020

Software Engineer Intern

- Implemented backend features & bug fixes using Python, Flask, PostgreSQL stack for 3D printing web application
- Designed and implemented new APIs, CLIs, and workflows across several existing services in Python through iterative unit and integration tests
- Refactored existing Python code for existing features across several services to improve code readability and usage

SAP, Newtown Square, PA

June 2019 – August 2019

Software Engineer 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 CLIs & scripts to convert and clean data in company knowledge base

PROJECTS

Flash Card Web API (Python, Flask, SQLite)

Summer 2019

- Developed RESTful API for creating flash cards to be implemented with React.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
- Hosted on AWS with Lambda and S3 and built with Python, Flask, and the Twitter API
- 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, JavaScript, C, HTML, CSS

Technologies: Flask, Django, React, PostgreSQL, AWS, Docker, Git, SQL, Linux, Mac OS