

Jacob Cannon

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EDUCATION

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

Expected Graduation: May 2021
GPA: 3.27

Relevant Coursework:

Data Structures, Discrete Mathematics I & II, Program Design and Abstraction, Calculus I & II, Low-Level Programming, Computational Probability & Statistics

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: Git, SQL, Flask, Eclipse, IntelliJ, Bootstrap, Linux