

Jacob Cannon

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EDUCATION

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

July 2021

Relevant Coursework:

Data Structures & Algorithms, Discrete Mathematics I & II, Operating Systems, Software Design, Low-Level Programming, Principles of Data Science, Data-Intensive and Cloud Computing

WORK EXPERIENCE

Comcast, Philadelphia, PA

June 2021 – August 2021

Software Engineer Intern

- Implemented features for the Enterprise Business Intelligence recommendation engine using Python, Django, and AWS stack
- Created unit testing and code coverage step in CI pipeline with Concourse CI
- Worked on CLI for onboarding developers with AWS access and privileges

Authentise, Philadelphia, PA

May 2020 – August 2020

Software Engineer Intern

- Implemented backend features 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, consulted with stakeholders in India, France, and Germany
- Developed prototype that had 100% accuracy in finding existing IT tickets
- Created API to connect chatbot to internal company knowledge bases with Python and Flask

PROJECTS

Spotify Monthly Wrapped web app (React, Flask, Python, AWS EC2, AWS S3)

Summer 2021

- Created a monthly version of Spotify yearly Wrapped campaign to generate monthly images of Spotify listening trends for users
- React frontend with Flask backend hosted on AWS EC2 and AWS RDS
- Built image generation pipeline with AWS SQS, lambda, and s3
- Scoped work with design docs, user stories, and Trello board for features, tasks, and bugs

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

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C

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