Sayf Ahmed

sayf.eddin.ahmed@gmail.com • sayf-eddin.me • www.linkedin.com/in/sayf-ahmed

TECHNICAL SKILLS

Languages: Python, JavaScript C++, C, Java, GoLang, Bash, HTML, CSS
Frameworks: Django, Flask, pandas, React Native, Bootstrap, Jekyll, Wagtail, Twitter API, PyTorch
Applications/Services: PostgreSQL, Docker, AWS, Ansible, Apache Airflow, Fastly, VSCode

EDUCATION

Syracuse University College of Engineering and Computer Science   **Syracuse, NY**
B.S. in Computer Science, Minor in Cognitive Science   *May 2021*
- GPA: 3.7/4.0
- Magna Cum Laude
- Relevant Courses: Object Oriented Programming in C++, Design of Operating Systems, Intro/Analysis of Algorithms, Data Structures, Discrete Mathematics, Software Implementation, Software Specification and Design, Linear Algebra

WORK EXPERIENCE

Syracuse University Division of Marketing and Communications Software Developer   **Syracuse, NY**
Digital Team Intern   *June 2020 – May 2021*
- Built and managed pythonic applications and services for Syracuse University's 15,000 Wordpress sites
- Collaborated with six developers and an intern on back-end development, systems administration, and data analysis
- Pulled from bus company data dump and serialized 300 routes and 4500 stops into an API for consumption for websites
- Developed and maintained a site management tool using Ansible Tower API for WordPress site admins
- Engineered website security scanners and crawlers to use for websites in Docker containers
- Wrote GoLang script to handle verifying and updating SSL certificates on Fastly hosted websites
- Built a directory API for entire university staff using Django REST framework
- Developed a content management service (CMS) using Wagtail to replace current use of Wordpress

Syracuse University iSchool Software Developer   **Syracuse, NY**
Junior Developer   *May 2019 – March 2020*
- Built and managed complex web apps for the School of Information Studies of Syracuse University
- Utilized test driven development, accessibility, and Kanban development with PostgreSQL and CI/CD
- Developed an application for staff of InclusiveU to store student profiles and generate reports
- Built a webapp for university events with approval system and multi-calendar display
- Created an iSchool web form service to digitize and facilitate application process for students

PROJECT EXPERIENCE

iSchool Web Forms Service   **Syracuse, NY**
iSchool Internship   *August 2019 – March 2020*
- Produced an accessible Django web app, constructs web forms for advising departments given simple context for form fields
- Built app to customize form field label, field type, field choices, and conditional fields with JavaScript functionality
- Implemented drafts, approval process, emailing, drawn signatures from multiple people, and exporting entry data to Excel
- Integrated ability to organize completed form entry data on PDFs as if form was filled by hand

LEADERSHIP

Innovate Orange   **Syracuse, NY**
Technology Lead   *December 2018 – May 2021*
- Engaged in a school organization of students with passion to create and encourage creation
- Cooperated with a team of 18 to organize CuseHacks: Syracuse University's first, and only, student run hackathon
- Constructed and maintained website with Design Lead from UI/UX designs at cusehacks.github.io