

# Sayf Ahmed

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## TECHNICAL SKILLS

**Languages:** Python, JavaScript, C++, C, Java, SQL, Go, Shell, HTML, CSS

**Frameworks:** Django, Flask, pandas, scikit-learn, React Native, Bootstrap, Jekyll, Wagtail

**Applications/Services:** RESTful API, PostgreSQL, Docker, Git, Postman, AWS, Ansible, Apache Airflow, Webpack, VSCode

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## WORK EXPERIENCE

### Hogarth Worldwide

New York, NY

Front-End Developer

September 2021 – December 2022

- Worked as a web developer on Dow Jones products including The Wall Street Journal, MarketWatch, and Barron's
- Collaborated on a team of copywriters and designers on nearly 300 time-sensitive campaigns with multiple assets each
- Co-managed wsjpro.com through WordPress by building PHP modules and editing live pages
- Developed customer-facing shop pages for news subscriptions and bundles sales with JavaScript and Webpack
- Created a web platform for WSJ Journal House on journalhouse.com using Splash's event content management system (CMS)
- Built eye-catching emails for commerce, customer engagement, commercial partnerships, and WSJ events

### Syracuse University Division of Marketing and Communications

Syracuse, NY

Full-Stack Developer Intern

June 2020 – May 2021

- Built and managed pythonic applications and services for Syracuse University's 15,000 WordPress sites
- Collaborated closely on a team of developers on full-stack agile development, systems administration, and data analysis
- Pulled Centro's GTFS bus data and serialized 300 routes and 4500 stops through pandas using analytical skills
- Delivered serialized bus data using REST API built from Django REST framework for streamlined consumption for websites
- Developed a multi-threaded WordPress site management tool through full life cycle using Django and Ansible Tower API
- Implemented website security scanners and crawlers such as Lighthouse, using Bash in Docker containers
- Created a Go script to handle verifying and updating X.509 certificates on Fastly hosted websites
- Built a directory API for entire university staff of approximately 5000 people using Django REST framework
- Developed a content management service using Wagtail on Django to migrate WordPress sites

### Syracuse University School of Information Studies

Syracuse, NY

Junior Django 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 relational databases and CI/CD
  - Developed an application for staff of InclusiveU to store student profiles and generate reports using Django
  - Built a webapp in Django for university events with approval system and JavaScript multi-calendar display
  - Created an iSchool Django web form service with JavaScript to digitize and facilitate transfer application process for students
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## NOTABLE PROJECT

### Girls Who Code Girls

New York, NY

Data Analysis

March 2023

- Interpreted results of Girls Who Code Girls: a data storytelling and award-winning avatar creation experience
  - Accessed data from user creations and Google Analytics such as outfit design and time spent on site
  - Preprocessed data and analyzed trends using pandas and scikit-learn to find what users want in video game characters
  - Presented detailed report with conclusions drawn from statistics and visual diagrams
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## EDUCATION

### Syracuse University College of Engineering and Computer Science

Syracuse, NY

B.S. in Computer Science, Minor in Cognitive Science

May 2021

- GPA: 3.6/4.0
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