

Shahriyar Shawon

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EXPERIENCE

Susquehanna International Group (SIG)

Software Developer Co-Op | Python, Django, Linux

Bala Cynwyd, PA

September 2022 – March 2023

- Engineered Service Level Agreement(SLA) violation alerting system which
 - * Allows easier and more flexible management of SLAs (Intra-day CRUD)
 - * Decouples SLA checking from a pre-existing monolithic alerting tool
- Created database models, added functionality to existing REST APIs and client libraries for those APIs, and wrote service that checks state of SLAs on a set interval
- Developed accurate and flexible collection of metrics for bulk CPU intensive jobs
- Increased accuracy of tool which displayed consumers of internal files

Susquehanna International Group (SIG)

Web Developer Co-Op | C#, SQL, .Net Framework/Core

Bala Cynwyd, PA

September 2021 – August 2022

- Added new and modified CRUD functionality to various SIG internal web apps
- Restructured databases to implement new functionality within existing internal web applications
- Created front-end for API to allow general purpose alerts to be set up at given intervals
- Developed process and maintained documentation for facilitating migration of projects from Perforce to GitLab while preserving their histories

PROJECTS

Drexel Term Master Schedule API | *FastAPI, BeautifulSoup, PostgreSQL*

March 2023 – Present

- Created a web scraper to gather information about courses offered at Drexel and stored them in a PostgreSQL database
- Developed an API as a in interface to query information from web scraped data
- Published Python client library to interface with the web API
- Made API public facing by deploying API to VPS

FridgeByte | *Flask, MongoDB, Cloudflare, Digital Ocean, Heroku*

February 2021 – June 2021

- Engineered web app to allow users to get recipes based on what they have in their pantry
- Developed login and register system for users and algorithm to search for recipes for a user based on their pantry
- Migrated web app from Heroku and Cloudflare to a Digital Ocean VPS and deployed site using nginx as a proxy server

LOLComicGrabber | *Python*

August 2019 – October 2019

- Developed a command line utility and library to download comics off of League of Legends website.
- Published program to python package index (PyPi)
- Extracted data by following AJAX requests and reversing method for generating links for images and chapters

TECHNICAL SKILLS

Languages: Python, C#, Java, SQL, HTML5/CSS3/Javascript

Frameworks: FastApi, Django, Flask, .Net Core/Framework, Entity Framework, JQuery

Developer Tools: Git, Jira, GitLab CI/CD

Platforms: GNU/Linux, Windows (Server), Raspberry Pi, Arduino

EDUCATION

Drexel University

Bachelor of Science in Computer Science | GPA: 3.11

Philadelphia, PA

September 2020 – Present

Relevant Coursework: Systems Programming (**C, Linux**), Computer Programming 1–2(**OOP Python**), Linear Algebra, Advanced Programming Tools and Techniques (**C, Bash, awk, sed**), Mathematical Foundations of Computer Science (**Racket**), Software Engineering(**Java, TDD**)