

Shahriyar Shawon

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EXPERIENCE

Susquehanna International Group (SIG)

Bala Cynwyd, PA

Software Developer Co-Op | Python, Django, Linux

September 2022 – March 2023

- Engineered a replacement for a system that alerts when and which files violated service level agreements (SLA)
 - * Allows easier and more flexible management of SLAs
 - * Decoupled SLA checking from a pre-existing monolithic alerting tool
 - * Created database models, added functionality to REST APIs and clients for those APIs, and wrote service that checks state of SLAs on a set interval
- Developed accurate and flexible collection of metrics for transcoding files
- Increased accuracy of tool which displayed consumers of internal files
- Co-developed processes to back-fill multiple tables into a new schema in a new database

Susquehanna International Group (SIG)

Bala Cynwyd, PA

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

September 2021 – August 2022

- Laid foundation for general purpose alerting bot
- Developed process and maintained documentation for facilitating migration of projects from Perforce to GitLab while preserving their histories
- Added new and modified CRUD functionality to various SIG internal web apps
- Restructured databases to implement new functionality within existing internal web applications

EDUCATION

Drexel University

Philadelphia, PA

Bachelor of Science in Computer Science | GPA: 3.11

June 2025

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**)

PROJECTS

FridgeByte | *Flask (Python), 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
- Set up domain name to work with Digital OceanVPS and used certbot to gain SSL certificate
- Oversaw database creation to be able to properly store user data such as emails and pantry items and build a secure login system
- Contributed recommendations for UI/UX

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#, C, Java, SQL, HTML5/CSS3/Javascript

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

Developer Tools: Git, VS Code, Visual Studio, Jira, GitLab CI/CD

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