

Shahriyar Shawon

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EXPERIENCE

Susquehanna International Group (SIG)

Corporate Systems Software Engineer Co-Op

Bala Cynwyd, PA

September 2021 – Present

- Added new and modified CRUD functionality to 5 of SIG's internal web apps
- Deployed .Net Framework applications using Windows IIS
- Setup SSL certificates in IIS for internal web apps to successfully use https
- Created and altered tables and views in SQL databases that fed data to internal web apps
- Developed and documented process that migrated 4 projects across 2 departments from Perforce to GitLab while preserving their histories.

EDUCATION

Drexel University

Bachelor of Science in Computer Science GPA: 3.42

Philadelphia, PA

June 2025

Relevant Coursework: Calculus 1–2, Computing and Informatics 1–3, Computer Programming 1–2, Linear Algebra, Advanced Programming Tools and Techniques

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 Ocean VPS 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 to download comics off of league of legends website.
- Published program to python package index (PyPi)
- Utilized web scraping techniques to extract data

EVENTS

Owlhacks 2020

October 2020

- Collectively completed Capture the Flag challenges through solving ciphers, steganography, and exploiting web vulnerabilities

LanternFly Hackathon

November 2019

- Contributed designs of screens for the wire-frame on Android application
- Used Android Studio to design wire frame
- Showcased wire frame to PA Department of Agriculture

TECHNICAL SKILLS

Languages: Python, Golang, NodeJS, HTML5/CSS3, C#, SQL

Frameworks: Flask, Entity Framework, KendoUI

Developer Tools: Git, VS Code, Visual Studio, GNU Core Utilities, Jira, GitLab

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

CERTIFICATIONS

Testout Certified PC Pro

June 2017

- Performance based certification in computer hardware and operating systems