ATA NOOR

Seeking a Software Engineering Internship for the Summer of 2023

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PROJECTS

TigerWallet | Python Flask Jinja2 HTML/CSS MySQL

github.com/atauln/tigerwallet

Created a full stack **Flask** web application with a **MySQL** database and complete **Docker** containerization that allows users to sign into their university dining account and perform **data analysis** and **caching** to present better statistics, decrease page load times significantly, and allow for notification support. Also enabled monitoring with **Sentry** and messaging with **Twilio** SMS. Hosted on an **OKD** instance at the Computer Science House.

LetMeIn App | Android Kotlin XML Websockets

github.com/ComputerScienceHouse/LetMeInApp

Built an **Android** application with **Kotlin** and **XML** to connect to a **web server** via a **websocket** connection. This allows members of the Computer Science House to receive live **notifications** and native support for the LetMeIn application, instead of having to use the website.

PARCSTAR | Java Swing Websockets FFT

github.com/atauln/PARCSTAR

Used **Java** to receive microphone input and send it over a **websocket** connection. The information is received by a backend that performs **FFT** on the audio to get the musical **pitches** from the audio. Primarily created for use with the **guitar**, it later was usable with a wide variety of instruments.

EXPERIENCE

Chester F. Carlson Center for Imaging Sciences

Student Systems Administrator | **August 2022 – Current**

- Maintaining, expanding and upgrading infrastructure
- Evaluation of currently implemented technologies
- Promotion of research and resource usage among staff and student body
- Troubleshooting of multiple operating systems
- Communicating between multiple departments
- Detect and mitigate hardware and software issues
- Use scripting languages like Python and Powershell to automate daily tasks
- Manage building-wide password and computer security regulations

EDUCATION

Rochester Institute of Technology

BS, Software Engineering
Database Design Minor
 2026

SKILLS

Languages

Java Python C Kotlin C# SQL JavaScript Scheme HTML CSS Jinja

Tools

Git MySQL GNU/Linux Emacs VS Code IntelliJ Flask Openshift Kubernetes

ACTIVITIES

Computer Science House

On-Floor Member | **August 2022 – Current**

BrickHack Logistics Team

Team Member | **July 2022 – Current**