**Chih-Chia, Chen**

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**SUMMARY:**

I’m looking for internship and full-time role opportunities in software engineering and security.

**EDUCATION:**

Syracuse University, College of Engineering and Computer Science **Fall 2022**

Bachelor’s in computer science

Syracuse University, College of Engineering and Computer Science **Fall 2024**

Master’s in computer science

**SKILLS:**

*Programming:* Python, JAVA, C/C++, SQL, Data Structures, Software Specification & Design

*Applications:* Microsoft Visual Studio Code, Microsoft Visual Studio, Microsoft SQL Server Management Studio

*Languages:* English (Bilingual), Mandarin (Bilingual), Japanese (elementary)

**RELATED COURSEWORK:**

|  |  |
| --- | --- |
| Object Oriented Programming C++  Software Specification & Design  Database Design SQL  Software Security  Basic Hardware/software Security | Data Structures (Java)  Object Oriented Programming Python  Algorithms  Network and Web Security  Agile Software Development |

**ENGINEERING APPLICATIONS:**

**Software Specification & Design**, *OGTH Delivery App* **Fall 2021**

* Collaborated with a group of randomly assigned classmates and came up with the specification and design of the food delivery app.
* Participated in the making of CRC cards, software requirement documentation, use case description and diagram, class diagram, sequence diagrams, and state machine diagrams.
* Personally responsible for organizing the fair distribution of workload and weekly meetings to review project progress

**Guitar Shop Database**, *Curriculum Project* **Spring 2022**

* Designed the database based on a set of given guidelines and restrictions.
* Built the database from the ground up including an ER diagram specifying the relationships and other relevant information between each of the data tables.
* Implemented views, procedures, functions, scripts, and many more which enables the database to be interactive and efficient.

**Basic Web Server**, *Curriculum Project*  **Fall 2022**

* Utilized existing library from Java such as Java.net, Java.util, and more to implement various functionality of the server.
* Implemented support for the server to handle GET, HEAD, and POST request.
* Built the security system surrounding the server including an authentication system as well as a self-signed certificate for SSL.

**WORK EXPERIENCE:**

**11th Armory Squad Leader***,**1st Company, 1st Squadron, 10th Army Command, ROCA,* Taichung**Oct 2020 – Feb 2021**

* Served mandatory military service as part of civic duty outlined in the constitution of ROC (Taiwan).
* Coordinated and led the squad’s movement during combat simulation.
* Organize squad’s scheduled task of armory ware maintenance.

**LEADERSHIP/ACTIVITIES:**

**Club Member,** *Information Security Club* **Jan 2019 – Fall 2021**

* Participated in club-hosted activities, challenges, and practices.
* Participated in CNY Hackathon 2021 was tasked with completing CTF challenges.