Markus Chmiel

Brooklyn, NY

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Education

***City College,* Grove School of Engineering,**	New York, NY
BS in Computer Science ◇ 3.5/4.0	Aug 2019 - Anticipated May 2024

Skills

Software:	Virtualbox, Git, Burp Suite, Jira, Firebase, MySQL
Programming Languages:	C/C++, Python, Javascript, HTML/CSS, SQL
Frameworks:	Node.js, React.js, OpenSSL, Numpy

Experience

Unadat Inc., NYC   June 2022 - Aug 2022

Project Manager of QI Team, *Internship*

- Managed a team of 5 SWE responsible for quality improvements on the company website
- Conducted weekly meetings to review team scrum goals and progress towards project milestones
- Followed an agile workflow model and utilized jira to streamline the process
- Collaborated with team developers using the following: PHP/JS/Bootstrap/AJAX/SQL

Bridge Back to Life Center Inc., NYC   Apr 2019 - Jan 2020

Data Entry, *Part-Time*

- Organized and maintained the online file system
- Assisted in setting up security configurations i.e network remediation, vulnerability scanning, and physical security controls (cable locks).
- Secured and produced compliant documentation for office audits

Projects

Encrypted Chat App (C/C++)   March 2023 - Apr 2023

- Secure port, client to client, communication program utilizing OpenSSL's AES-256 for encryption, SHA-512 HMAC for message integrity, and Diffie-Hellman generation for key exchange
- Implemented a TCP-Handshake protocol to ensure strict communication

Pharmacy Database (Python + SQL)   March 2023

- Efficiently stores and manages medication, patient, and prescription data.
- Eliminated data redundancy using Boyce-Codd (3.5NF) normalization.

Ecommerce Website (JS + Firebase)   Oct 2022 - Nov 2022

- Platform divided into three user permission groups (Guest, Member, Admin)
- Guest can only view the website, Members can buy/sell/auction items, Admins have custom console to regulate/monitor products and users