Markus Chmiel

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Education

CUNY City College, Grove School of Engineering — New York, NY

BS in Computer Science ⬦ 3.4/4.0 — AUG 2019 - MAY 2024

Relevant Coursework : [Computer Security, Artificial Intelligence, Scientific Programming, Data Structures, Algorithms, Internet Programming, Database Systems, Operating Systems, Programming Paradigms, Software Engineering, Computer Organization]

Skills

Software:	Virtualbox, Firebase, MySQL, TCPdump, Jira
Programming Languages:	Python, C/C++, Javascript, HTML/CSS, SQL
Frameworks:	NumPy, Pandas, OpenSSL, React, Express, Next
Certifications:	Google Cybersecurity

Experience

***Best Buy Inc.*, Brooklyn NY** — JULY 2023 - Current

Certified Apple Sales Advisor, *Part-Time*

⬦ Demonstrated exceptional communication skills in explaining complex technical information in a clear and friendly manner, enhancing customer understanding and confidence in their purchases

⬦ Achieved an average weekly sales volume of $32,000, consistently exceeding sales targets and contributing to the store's revenue growth

***Unadat Inc.*, New York, NY** — JUNE 2022 - AUG 2022

Project Manager of Quality Improvement Team, *Internship*

⬦ Managed a team of 5 SWE, following an agile workflow and utilizing jira to streamline the process

⬦ Conducted daily meetings to review team scrum goals and progress towards project milestones

⬦ Collaborated with team developers using the following: PHP/JS/Bootstrap/AJAX/SQL

***Bridge Back to Life Center Inc.*, Brooklyn, NY** — APR 2019 - JAN 2020

Data Entry & Support Staff, *Part-Time*

⬦ Organized and maintained the online file system, in addition to setting up security configuration, i.e. network remediation, vulnerability scanning, and physical security controls (cable locks)

⬦ Secured and produced compliant federal probation documentation for office audits

Projects

AI Travel Recommendation Website (React + Express + Firebase) — JUNE 2023 - JULY 2023

⬦ Developed a travel recommendation website using ChatGPT DaVinci API and seamlessly integrated Google Maps API for personalized suggestions and interactive map views.

⬦ Implemented authentication, protected urls, and the ability to add content reviews and blogs posts

Jet Engine Degradation Predictive Maintenance (Python) — APR 2023 - MAY 2023

⬦ Transformed large-scale NASA jet-engine telemetry data into actionable insights, achieving 83% accuracy in degradation prediction before engine failure

Encrypted Chat App (C/C++) — MAR 2023 - APR 2023

⬦ Secure port, end-to-end encryption using OpenSSL's AES-256, SHA-512 HMAC for integrity, and Diffie-Hellman generation key exchange for perfect forward secrecy.

⬦ Implemented a TCP-Handshake protocol to ensure strict end-to-end communication