

Markus Chmiel

Brooklyn, NY

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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]

Skills

Software: Virtualbox, Firebase, MySQL, TCPdump, Jira

Programming Languages: Python, C/C++, Javascript, HTML/CSS, SQL

Frameworks: NumPy, Pandas, PyTorch, OpenSSL, React, Express, Next

Certifications: Google Cybersecurity Professional, CompTIA Sec+ (scheduled for exam)

Experience

Best Buy Inc., Brooklyn NY

JULY 2023 - Current

Computer Customer Specialist, 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 milestone
- ♦ 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