

Isabelle Ritter

Flushing, NY 11358 | ritterisabelle2019@gmail.com | 917-539-4938

EDUCATION

CUNY John Jay College of Criminal Justice
Master of Science in Digital Forensics & Cybersecurity
GPA: 3.96

New York, NY
Expected May 2027

Pace University, Lubin School of Business
Bachelor of Business Administration (BBA), Business Management, minor in Computer Science
Honors: magna cum laude

New York, NY
December 2024

SKILLS & PROJECTS

Technical Skills: MITRE ATT&CK Framework, Intelligence Assessments, OSINT (Open Source Intelligence), Threat Modeling, Technical Briefing & Presentation, Analytical Writing

Cyber Threat Intelligence Final Project

New York, NY

CUNY John Jay College of Criminal Justice

May 2026

- Delivered a 15-minute live threat intelligence briefing on North Korea's *Kimsuky* intrusion set to an industry panel including professionals from Mandiant, BlackRock, Filigran, and GhostEye
- Analyzed adversary TTPs, attack flow divergences, and victimology using the MITRE ATT&CK framework, OSINT, and Mandiant threat reports to establish threat assessments with formal confidence and likelihood ratings
- Translated threat actor intelligence into actionable defensive recommendations, providing SOC teams with specific indicators, detection rules, or mitigation strategies to proactively harden security postures.

End-to-End Encrypted Chat Application

New York, NY

CUNY John Jay College of Criminal Justice

September 2025

- Developed a Python-based E2EE chat tool utilizing AES-GCM encryption and ECDH key exchange to ensure per-session forward secrecy, server blindness, and data integrity
- Analyzed potential adversary capabilities, such as Man-in-the-Middle (MitM) attacks, to inform the implementation of Ed25519 digital signatures and TOFU protocols, effectively mitigating risks of message tampering and identity impersonation

RELEVANT EXPERIENCE

Girls Who Code

New York, NY

Summer Immersion Program - Intern

July 2018 – August 2018

- Learned Python, JavaScript, and HTML to design websites, create video games, and applications
- Collaborated with two students to develop a website for a final project presented to MetLife's upper management

ADDITIONAL EXPERIENCE

Bourbon Street

Bayside, NY

Waitress/Bartender

June 2024 - Present

- Manage high-volume financial operations and transactions, and utilize POS systems to perform end-of-shift audits, house payouts, and automated tip distribution
- Maintain seamless service for 25+ guests in high-pressure environments by coordinating real-time logistics between staff and resolving technical or service issues
- Collaborate closely with front- and back-of-house teams to balance shift workloads, and support fellow staff to maintain smooth service during peak rush hours while working with Clover systems to identify trends in customer feedback; draft and propose revised descriptions that improve user experience

Lawrence J. Berger P.C.

New York, NY

Part-Time Office Assistant- Property Tax Law Office

September 2023 - January 2024

- Managed 30+ incoming calls and emails, promptly directing inquiries to appropriate personnel, enhancing communication flow within the office
- Delivered sensitive materials directly to clients, ensuring timely distribution, fostering positive client relationships through reliable and efficient service
- Cataloged office documents, maintained filing systems, and supported attorneys with administrative tasks, ensuring smooth daily operations and client service