

Sharon Guan

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EDUCATION

Stony Brook University, Stony Brook NY
Bachelors of Science in Computer Science

Expected: May 2025
GPA: 3.4

Relevant Coursework: System Fundamentals | Computer Networks | Analysis of Algorithms | Data Science | Software Development | Data Structures | Compiler Design | Finite Mathematical Structures | Statistics

HONORS/AWARDS

- WISE Honors Scholarship | Dean's List (Fall 2021 - Current)
- Rocky Mountain Biological Laboratory Grant Recipient

SKILLS/CERTIFICATIONS

- Computer Skills: Java, Python, C/C++, Machine Learning, R, HTML, CSS, JavaScript, Linux, Virtual Machine, MongoDB, Express, React, Node, SQL
- Certified in Cybersecurity, ISC2 (Member ID:1906492)

EXPERIENCE

FTI Consulting

Manhattan, NY

Technology Consultant

June 2024 - August 2024

- Engaged in a data-driven project utilizing technologies such as Axiom, Encase, Cellebrite, and Relativity to streamline data analysis workflows, effectively reducing costs and enhancing accuracy in legal case outcomes for high-profile clients.
- Rotated through eDiscovery, data services, digital forensics, information governance, and case management roles.
- Collaborated with clients across various industries, including 2Rs, medical lawsuits, and copyright infringement cases which billed over 60 hours of client work to ensure timely and efficient case completion

U.S Government Accountability Office

Washington, D.C

Information Technology & Cybersecurity Analyst

May 2023 - August 2023

- Planned and designed engagements to initiate the IT and Cybersecurity auditing process.
- Completed analysis and research on over 20 federal programs in the VA Electronic Health Record Modernization System.
- Prepared written reports for various audiences, including team members, stakeholders, and congressional staff.

New York Institute of Technology

Manhattan, NY

National Science Foundation Undergraduate Researcher

May 2022 - August 2022

- Conducted research on the security of mobile devices producing 91% accuracy in the machine learning model.
- Applied machine learning techniques to analyze real-time dataset of over 6000 android applications.
- Published research paper and presented findings at the 2022 MIT IEEE URTC Conference.

PROJECTS

EnsembleDroid: Classifier that determines whether an Android application is malicious or benign by detecting patterns in the application permissions. Involves the process of decompilation, feature extraction, and hyperparameter tuning.

Key Words: Classifier, Machine Learning, Cybersecurity, Data Analytics

FSO: Developed and launched a full-stack web application, recreating the functionality of Stack Overflow, including user authentication, question posting, answering, and voting features.

Key Words: Full Stack Development, Database Management, Authentication

Decaf Compiler: Designed and implemented a compiler for the Decaf language using lexical analysis, parsing, semantic analysis, memory allocation, type checking, symbol tables, and code generation.

Key Words: Compiler Design, Parsing Techniques, Regex

CLUBS, ACTIVITIES & ORGANIZATIONS

Institute of Electrical and Electronics Engineers (IEEE) Student Branch

Stony Brook, NY

Professional Development Chair

February 2023 - May 2024

- Led the orchestration and oversight of the IEEE Research Conference Panel.
- Communicate with over 50 company employers for professional and academic opportunities.

Women in Computer Science (WiCS), Stony Brook Computing Society (SBCS), Vertical Integrated Projects (VIP)