

Hamzah Nizami

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EDUCATION

Stevens Institute of Technology

Hoboken, NJ

Bachelor of Science in Computer Science; Minor in Mathematics. GPA: 3.78

2018 - 2022

Courses: Algorithms, Data Structures, Systems Programming, Programming Languages, Discrete Structures, Automata and Computation, Computer Organization and Programming, Software Development Processes

Organizations: President of DuckHacks Hackathon Committee, Professional Development Chair of Society of Asian Scientists and Engineers, Member of Indian Undergraduate Association

Honors: Dean's List, Stevens Pinnacle Scholar, Presidential Scholarship

EXPERIENCE

Synopsys

NYC, NY

- *Incoming Technical Engineering Intern*

May - August 2020

Stevens Institute of Technology

Hoboken, NJ

- *Undergraduate and Graduate Course Assistant*

January 2020 - Present

- Course Assistant for CS115: Introduction to Computer Science and CS570: Graduate Level Data Structures.
- Hosted weekly labs and office hours to aid with assignments, as well as reinforce concepts such as programming fundamentals, recursion, trees, linked lists, queues, stacks, and algorithmic thinking.
- Collaborated with professor and other CAs to ensure consistent and fair assignments, exams and grading schemes.

Synopsys

NYC, NY

- *Software Engineering Intern*

May - August 2019

- **Utilized:** Java, Burp, Git, Docker, Python, Jira, Maven, JUnit
- Coordinated with an international team to design and develop an internal tool that automates passive finding report generation for security consultants.
- Designed and implemented a robust backend architecture using ETL principles and OOP.
- Developed search, screenshot encoding and smart highlighting detection features.
- Collaborated with beta testers in Bangalore, Bloomington, and New York City to launch a stable release and remediate bugs.
- Authored precise documentation to aid future engineers.

CyberCentric

NYC, NY

- *Software Engineering Intern*

June - September 2017

- **Utilized:** Python, Burp, IBM App Scan
- Built web scrapers using Python libraries such as BeautifulSoup and Selenium to find thousands of potential clients.
- Remediated software bugs on the company's website and pioneered a Search Engine Optimization campaign to increase visibility.
- Created a video describing XSS attacks and how to prevent them for company developers.

Wise Systems

Boston, MA

- *Software Engineering Intern*

July - August 2016

- **Utilized:** Python
- Performed data analysis with Python library pandas to inform company decisions.
- Created a video showcasing how to use company software.

SKILLS

- **Languages** Python, C++, Java, C, OCaml, HTML, CSS, Javascript, ARMv8
- **Technology** Google Cloud Platform, Burp, Django, Flask, Arduino, Raspberry Pi, JUnit, Maven, Docker, \LaTeX
- **Tools** Git, Github, bash, zsh, Linux, macOS, Windows, Visual Studio Code, IntelliJ IDEA

PROJECTS

- **echo** (Stony Brook Hackathon): Language learning application that uses natural language processing to compare inputted user speech data with native speaker speech to give tips on how to improve. *Tech:* Python, Kivy, Google Cloud Platform. (September '19)
- **Facial Recognition Door Unlock** (Personal Project): Used a reverse engineered Ring API and facial recognition technology to unlock a door if they are a homeowner without the need for a key. *Tech:* Python, C++, Arduino, Raspberry Pi. (In Progress)