SHOUROV SAHA

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A junior at CUNY Hunter College pursuing a Computer Engineering degree with strengths in C++ and exposure to Java and Python. Aims to observe the techniques and practices of industry professionals and add to his tool belt.

EDUCATION

CUNY- Hunter College

Bachelor of Science in Computer Science: Expected June 2023   **GPA: 3.5**

Student in Software Analysis and Design 1, 2, 3 - Projects: https://github.com/shourovsahaaa/projects

- CSCI 335 - 5 total C++ projects enhancing programming of advanced algorithms.   **Spring 2022**

Reference: Professor Raffi Khatchadourian, raffi.khatchadourian@hunter.cuny.edu

- CSCI 235 - 7 total C++ projects designing and implementing various ADTs.   **Grade: A Spring 2021**

Reference: Professor Genady Maryash, gmaryash@hunter.cuny.edu, https://maryash.github.io/235/index.html

- CSCI 135 - 13 total C++ labs learning the fundamentals of C++.   **Grade: A   Fall 2020**

Reference: Professor Tong Yi, ty680@hunter.cuny.edu, https://tong-yee.github.io/135/2021_spring.html

QUALIFICATIONS

Programming Languages: C++, Python, Java   **Operating Systems:** Windows, Mac, Ubuntu, Kali Linux

Exposure to: PHP, C, MIPS AL, MySQL, MATLAB   **IDEs/Compilers:** Visual Studio, VirtualBox, Eclipse, Repl.it

Software: Unity, Unreal Engine, AutoCAD, GitHub, Wireshark, Microsoft Office (includes Excel macros), Google Workspace, Adobe Suite (includes video/audio editing), Squarespace.

Other Skills: Cyber Security fundamentals: connect to VPNs, encrypt files, sniff HTTP(s) traffic, identify network routers and run a full-stack analysis, assess and leverage insufficiently secure firewall settings, identify exfiltration routes, etc.

Spoken Languages: English, Spanish, Bengali

PROJECTS

C++, Software Development- Free Realms Sunrise (https://www.frsunrise.com/)   **Mar 2020 - Aug 2021**

- Worked with developers who were recreating my favorite childhood video game, Free Realms, released and discontinued by Daybreak.
- Contributed to front-end and back-end development, including the UX for the shop, purchasing and viewing items, and securely removing and adding currency to prevent exploitation.

C++, Software Development- Crypto Mining Launcher for T-Rex Miner   **Jan 2022**

- Created a program that calculates and switches to the best algorithms to maximize profits using T-Rex Miner.

EXPERIENCE/RELEVANT ACTIVITIES

Summer Intern at SIPPA Solutions   **Jun 2022 - August 2022**

- Assisted in converting older versions of MySQL, PHP, and Tomcat to updated versions on an instance while maintaining databases and files of the main server.
- Set up the Azure client to connect to the Azure API and use a FHIR Server to convert the formatting of personal health records using a servlet.

Other: Penetration Testing course by INE (https://ine.com/); Instructor for Primus Tutoring; Music, Software: FL Studio; Video Editing; Game Mods/Cheat Development: CSGO, Software: C++ Executable; 3D Virtual House Photography, Software: Matterport.

AWARDS/HONORS

Dean's List for Hunter College, GPA: 3.5+   **June 2021**
  (http://www.hunter.cuny.edu/studentaffairs/deanofstudents/student-success/deans-list)