STEVEN HAN   +1 (732) 799-5975 | sahiagb@gmail.com | https://portfolio-stevenahan.vercel.app

EDUCATION

New York University, *New York, NY*   Sep 2021 – Present
- **Computer Science** major | **BS** Candidate | **98** credits | Cumulative GPA: **3.945** | Dean's List
- Relevant Coursework: *Operating Systems, Databases, Applied Internet Technologies, Computer Architecture, Object Oriented Programming, Data Structures and Algorithms, Artificial Intelligence, Discrete Math, Data Analysis*

WORK EXPERIENCE

New York University, *New York, NY* – **Incoming D&A Algorithms Course Assistant**   Sep 2023 – Dec 2023

Bank of America, *Pennington, NJ* – **Software Engineer Intern**   Jun 2023 – Present
- Worked to help create, test, and maintain the retail bill payment services for BoA
- Contributed to the development of features for a full-stack UI used for testing using Angular and Typescript for the frontend and Java Spring Boot for the backend
- Collaborated in a cooperative Agile team environment utilizing tools like Jira and Bitbucket
- Created Documentation for API mappings related to bill payment services
- Utilized JUnit testing for key files, raising overall coverage for many classes and packages to over 90%

Henkel Corporation, *Bridgewater, NJ* – **Research and Development Intern**   Jun 2022 – Aug 2022
- Investigated sustainable adhesive alternatives that are biodegradable and compostable with a leading global company, gaining research skills in world-class industrial environment
- Designed, formulated, and tested products using scientific instruments and proprietary software

ACTIVITIES / PROJECTS

Love Letter Game Simulator – *Personal Project* – *https://loveletter.herokuapp.com*   May 2022 – Present
- Created a card game simulator using *C++*, designed to be played by multiple players
- Expanded the simulator to a website using *Bootstrap* and *React* on the frontend and *Node.js* with *Express* and *Socket.io* in the backend, enabling multiplayer support
- Used *MongoDB* to keep track of the games and users

Invest.me – *New York, NY* – **Group Leader and Lead Software Developer**   Jan 2023 – May 2023
- Developed a customizable stock pricing tool hosted on the web, which uses both quantitative and qualitative data from numerous sources, including company financials, ESG scores, congressional trades, and public sentiment to evaluate S&P 500 companies
- Utilizes web scraping, data analytics, and a linear regression ML model to predict stock prices
- Users can personalize results by inputting their own custom data

Steven's Minigames – *Personal Project* – *https://stevens-minigames.herokuapp.com*   Nov 2022 – May 2023
- A website hosted on Heroku used to showcase self-created minigame solvers
- Crafted website using *Python Flask*, solver programs using *C++*, and frontend using *HTML/CSS/JS* and *Bootstrap*
- Created solvers for the popular 24 Game, Sudoku, and the Discord minigame Spellcast. These solvers utilized Algorithmic techniques such as Backtracking and dynamic programming to run more efficiently

NYU Augmented Library VIP, *New York, NY* – **Backend Developer**   Sep 2021 – May 2022
- Developed an intuitive IOS/Android-based AR application for NYU's Dibner Library with a team of 20+
- Established backend databasing infrastructure using *MongoDB* and *SQLite* to keep track of user and library data
- Personally helped to create the room reservation feature and QR scanner that enables in-person real-time room reservations for group study rooms in the School Library

SKILLS

Languages: *Proficient: C++, Python, Javascript, Java*

Previous Experience: C, C#, HTML, CSS, Kotlin, Arduino, SQL, Intel x86 (Assembly)

Programs/Frameworks: *MongoDB, React, NodeJS, Socket.io, Spring Boot, Github, Unity, Flask, MySQL, Angular*

HONORS / AWARDS

- ASC Scholarship (2023)
- New York University Dean's List (2023, 2022)
- Henkel Corporation Scholarship Award (2023, 2022, 2021)
- NYU Tandon Made Challenge Award (2021)
- NYU Rapid Assembly & Design Challenge Finalist (2021)

- President's Award for Educational Excellence (2021)
- AP Scholar with Distinction Award (2021, 2020)
- National Merit Commended Student (2020)
- EBHS Gold Honor Roll (2021, 2020, 2019)
- 1st Place, New Jersey Science League Chemistry I (2019)