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*

East Brunswick High School, *East Brunswick, NJ*   Sep 2017 – Jun 2021
- High School Diploma | Weighted GPA: **4.610** | Unweighted GPA: **3.941**
- **11** AP courses including computer science, math, physics, chemistry, language, history
- SAT: **1550** (770 English, 780 Math); SAT II: **800** (Math II), **790** (Physics), **780** (Biology Ecological)

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
- Work primarily in Java Spring Boot to help create, test, and maintain the retail bill payment services for BofA
- Collaborate in a cooperative Agile team environment utilizing tools like Jira and Bitbucket to create documentation, test with J-unit testing, and work directly with application creation.

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, 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

SoftSound, DualDev – *Personal Project*   Jun 2021 – Jun 2022
- Created a mobile application based on *Kotlin* to provide a stress-free space for people by playing calming sounds

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*

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, Bootstrap, Flask, MySQL*

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)