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

Bank of America, *Pennington, NJ* – **Incoming Software Engineer Intern** Jun 2023 – Aug 2023

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

Augmented Library VIP, *NYU, 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*

LadyBug Bicycle Safety Helmet, *NYU, New York, NY* **– Head of Programming** Sep 2021 – Jan 2022

- Created a 3-D printed smart helmet to address urban cycling dangers by detecting location and direction of obstacles in blind spots as well as bike speed. All information relayed to the biker through audio and tactile cues

SKILLS

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

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

Programs/Frameworks: *MongoDB, React, NodeJS, Express, Socket.io , 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)
- Finalist, NYU Rapid Assembly and Design Challenge (2021)
- President's Award for Educational Excellence (2021)
- AP Scholar with Distinction Award (2021, 2020)
- National Merit Commended Student (2020)
- 1st Place, New Jersey Science League Chemistry I (2019)
- 1st Place, New Jersey Science League Biology I (2018)
- 2nd Place, Central Jersey Math League (2019, 2018)