

Henry Fan

[LinkedIn](#) Henry Fan | [GitHub](#) henryfan03 | (718) 909-5674 | henry.fan24@myhunter.cuny.edu | henryfan.me

EXPERIENCE

American Express

New York, NY

Software Engineering Intern

JUN 2023 - AUG 2023

- Optimized a query by cleaning up entries in a database and altering the original query to ignore rather than account for unwanted characters present in data entries.
- Created, registered, and tested a new endpoint and ensured its functionality using *Postman*.
- Monitored the code releases of four merges to production using *Datadog* and *Splunk*.
- Ran scripts to perform maintenance on production repos including removal of old branches and unused/deprecated references present in the codebase.

Hunter College

New York, NY

Undergraduate Teaching Assistant

JAN 2023 - MAY 2023

- Distributed, proofread, and revised course material for Data Structures & Algorithms.
- Wrote *Makefile* configurations for compiling projects assigned to students.
- Verified functionality of autograder software on Gradescope to match homework requirements and specifications.

American Express

New York, NY

Software Engineering Intern

DEC 2022 - JAN 2023

- Patched UI bugs within production front-end components and verified the functionality of the components using *Storybook*.
- Tested and modified two *Cypress* Unit Tests to reflect code changes in app microservices.
- Documented 13 pages of developer tool initial setup including Node and shell configuration using *Confluence*.

Research Foundation of CUNY

New York, NY

Software Engineering Intern

JUL 2022 - AUG 2022

- Designed, built, and tested a chatbot using the *Discord.JS* module to improve quality of life and ease of use for event organizers unfamiliar with Discord features.
- Integrated logging and debugging functionality through JavaScript error handling and *FileSystem* for current and future devs.
- Configured continuous integration/development of two repositories using *Heroku* and *GitHub*.
- Facilitated three *Notion* pages to manage team workflow, documentation, and team sprints.

EDUCATION

Hunter College

New York, NY

Bachelor of Arts, Computer Science

AUG 2021 - MAY 2024

Minor in Mathematics

3.94/4.0 GPA (Cumulative) | 3.91/4.0 GPA (Major)

Relevant Coursework: Data Structures and Algorithms, Discrete Structures, Computer Architecture, Web Development, Calculus II, Statistics, Matrix Algebra, Product Development

Honors/Awards: Daedalus CS Honors Scholar, Peter F. Vallone Scholar, Ellman Fellow, Dean's List

Activities: ICPC Competitive Programmer, Google Student Developer Club

ADDITIONAL INFORMATION

Coding Languages: Python, C++, JavaScript, C#, Java

Frameworks: React, Express, Angular, .NET, Bootstrap

Query Languages: PostgreSQL, SparkSQL

Developer Tools: Git, Heroku, Azure, Docker, Postman, Bitbucket, Jira, Datadog, Splunk

Interests: Game Development, Graphics Design, Animation, Music Development

Languages: Cantonese (Native), Mandarin (Beginner), German (Beginner)

Events/Activities: AWS Summit (2022), ConnUHacks IV (2022), Google Kickstart (2020)