Henry Fan

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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
Honors/Awards: Daedalus CS Honors Scholar, Peter F. Vallone Scholar, Ellman Fellow, Dean's List
Activities: ICPC Competitive Programmer, Google Student Developer Club

EXPERIENCE

American Express   **New York, NY**
Software Engineering Intern   DEC 2022 - JAN 2023
- Patched a front-end UI bug in production and pushed the change using *Bitbucket* and *Jira*.
- Ensured back-end functionality of a microservice's API using *Postman* and *OpenAPI*.
- 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.

PROJECTS

File/Image Gallery   **Remote**
SEAL Programming Challenge   JUL 2022 - AUG 2022
- Implemented a full-stack web image gallery application that can display files a user uploads.
- Created a frontend file upload and gallery system using *React* and *Router*.
- Utilized *Express* to create a backend to handle file upload requests with logging capabilities.

Picking Up Leveled Up   **Remote**
ConnUHacks IV   JAN 2022 - JAN 2022
- Used Python's built-in *Request* library to post *REST API* requests and parse fetched responses
- Formatted get and post requests using *JSON* to format data in a readable way.
- Hosted a web application using *OVHCloud* and a domain provided by MLH.

Lost On An Island   **New York, NY**
RPG Maker MV (JavaScript)   DEC 2021 - FEB 2022
- Used an event-based game engine to create a short demo of an example RPG game with a functioning inventory, gathering, and movement system using built-in engine features.
- Deployed a website using HTML and JavaScript on *GitHub Pages* with *Jekyll*.

ADDITIONAL INFORMATION

Coding Languages: Python, C++, JavaScript, C#, Java
Frameworks: React, Express, Angular, .NET, Bootstrap
Interests: Game Development, Graphics Design, Animation, Music Development
Languages: Cantonese (Native), Mandarin (Beginner), German (Beginner)
Developer Tools: Git, Heroku, Azure, Docker, Postman, Bitbucket, OpenAPI
Events/Activities: AWS Summit (2022), ConnUHacks IV (2022), Google Kickstart (2020)