

Carl Feng

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EDUCATION

Bachelor's of Science in Computer Science

Queens College, City University of New York • New York, NY • Expected 2025

COURSEWORK

Software Engineering

- Explored the various models of the Software Development Life Cycle, discrete software design patterns, and Unified Modeling Language used in the development of object oriented software

Internet and Web Technologies

- Examined how various Internet technologies deliver content across the web: the client-server architecture, TCP/IP internet model, API infrastructure and integration, asynchronous and synchronous programming in node.js via callbacks and observer pattern

Operating Systems Principles

- Studied crucial elements and functions of the operating system such as process management, system calls, CPU scheduling algorithms, and multithreaded programming

PERSONAL PROJECTS

Twitch Widgets

June 2023 - Present

- Utilized HTML, CSS, and JavaScript to create animated custom chat widgets and alerts for Twitch streamers via implementation of the StreamElements API, incorporating inline SVG design elements and UI/UX components for custom branding and improved user interactions
- Developed functional Twitch widgets for 3 clients with a collective 10,000 followers, resulting in a 10% increase in follower count and a 13% increase in viewer retention
- Collaborated with clients to perform continued updates and maintenance with consideration to clients' and viewers' feedback

Linked List Sorting

September 2021 - December 2021

- Developed a dynamic program in Java using Eclipse that interprets information from a provided text-based document and sorts the information into an easily accessible format using a linked list
- Collaborated with a team of 3 to establish a dynamic database of over 1000 entries and displayed the information in a GUI, reducing sorting time by ~23% and improving search speed by ~30%

SKILLS

Programming: Java, HTML, CSS, JavaScript, Python, C++, SQL

Software: Visual Studio Code, Eclipse, Adobe After Effects, Adobe Photoshop