Brandon Chung

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EDUCATION

Georgia State University - *B.S. Computer Science* Jan 2022 - Dec 2024
 Honors: President's List 2022, 2023 (4.00+ GPA), Dean's List 2024 (3.50+ GPA) **GPA:** 3.80/4.00
 Relevant Coursework: Data Structures, System-Level Programming, Mobile App Development, Web Programming, Software Engineering, Operating Systems, Machine Learning, Design & Analysis: Algorithms, Discrete Math, Linear Algebra II

Georgia State University - *M.S. Computer Science* Aug 2025 – Dec 2027
 Relevant Coursework: Automata, Interactive Computer Graphics, Ethics for Data Science

TECHNICAL SKILLS

 Languages: Python, HTML, CSS, JavaScript, PHP, TypeScript, C, C#, Liquid, Dart, SQL
 Tools/Databases: MySQL, Firebase, Git, GitHub, VS Code, Unix, Vim
 Libraries/Frameworks: React, Node.js, Django

WORK EXPERIENCE

Shopify Web Developer | Freelance Sep 2024 – Dec 2024
- Developed custom storefront features using Liquid, HTML, and CSS.
- Built and maintained a small clientele by delivering feature enhancements based on individual client requests.
- Self-taught the Shopify platform and interface in one month to begin delivering production-ready solutions.

PROJECT EXPERIENCE

Desktop Website Portfolio | HTML, CSS, JavaScript - brandxnchung.netlify.app - GitHub August 2025
- Engineered an interactive desktop-style portfolio website using JavaScript, HTML, and CSS.
- Implemented modular JavaScript architecture to handle window management.
- Added audio feedback effects to enhance user interaction.

PDF Q&A App | Python, LangChain, Ollama - GitHub July 2025
- Built a desktop app to query PDFs using Python and local LLMs via LangChain.
- Parsed PDFs and embedded content using FAISS and Ollama embeddings for semantic search.
- Created a custom GUI using customtkinter, supporting chat history, pdf file uploads, and multithreaded querying.

Web Crawler & Graph Analysis | Python, SQL, Gephi - GitHub July 2025
- Developed a Python-based web crawler to automatically extract and map internal links from websites.
- Built an adjacency matrix representation of site structure to analyze page connectivity.
- Implemented an edge list and GraphML export for use in visualization tools such as Gephi.
- Automated data collection and transformation workflows, improving efficiency for SEO analysis, research, and web structure visualization.

Food Delivery Mobile App | Flutter, Dart, Figma - GitHub July 2024
- Led a team of 3 in the development of a cross-platform food delivery app using Flutter.
- Designed the application wireframes and UI flow using Figma.
- Managed version control and collaboration using GitHub.

Machine Learning Classification & Estimation | Python, Pytorch, Scikit - GitHub May 2024
- Developed a Python script to classify test data using labeled training datasets.
- Applied classification algorithms and implemented imputation strategies to handle missing data.
- Achieved a 30% increase in accuracy through algorithm optimization and performance testing.
- Utilized libraries including pandas, numpy, and scikit-learn for data handling and modeling.