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) | Liquid, HTML, CSS   Sep 2024 - Dec 2024
- Designed and deployed **5+ custom storefront features**, improving client sites' usability and conversions.
- Secured and maintained a **repeat client base of 2 small businesses** by delivering tailored features.
- Self-taught the Shopify platform in **under 30 days**, enabling delivery of **production-ready solutions**.

PROJECT EXPERIENCE

Desktop Website Portfolio | HTML, CSS, JavaScript - brandxnchung.netlify.app - GitHub   Aug 2025
- Built an **interactive portfolio website** with a desktop-style interface, showcasing **9+ projects** to recruiters and clients.
- Engineered modular JavaScript for dynamic window management, reducing code redundancy by **40%**.
- Enhanced user engagement with audio feedback effects, increasing average site session duration by **10%**.

PDF Q&A App | Python, LangChain, Ollama - GitHub   Jul 2025
- Created a desktop app enabling **real-time Q&A on PDFs up to 500 pages**, cutting manual research time.
- Leveraged FAISS and Ollama embeddings for semantic search on benchmark queries.
- Built a customtkinter GUI with PDF uploads, chat history, and multithreaded querying, improving response speed by **3x** over baseline.

Web Crawler & Graph Analysis | Python, SQL, Gephi - GitHub   Jul 2025
- Automated web crawling to map **40,000+ internal links** across test sites, enabling scalable structural analysis.
- Generated adjacency matrices and edge lists for graph modeling, reducing manual link-mapping effort by **99%**.
- Produced GraphML exports for Gephi visualization, improving SEO and research insights with **clear site hierarchy mapping**.

Food Delivery Mobile App | Flutter, Dart, Figma - GitHub   Jul 2024
- Led a **3-person team** to deliver a cross-platform food delivery MVP in **under 10 weeks** using Flutter.
- Designed and iterated UI/UX prototypes in Figma, reducing design-to-development turnaround by **30%**.
- Oversaw GitHub-based collaboration, resolving **merge conflicts** and ensuring on-time delivery.

Machine Learning Classification & Estimation | Python, PyTorch, Scikit - GitHub   May 2024
- Built a classification pipeline that improved prediction accuracy by **30%** through algorithm optimization.
- Implemented imputation strategies for missing data, increasing dataset usability by **50%**.
- Utilized pandas, NumPy, and scikit-learn to streamline preprocessing, reducing runtime by **20%**.