

# Brandon Chung

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## EDUCATION

**Georgia State University** - *B.S. Computer Science*

Jan 2022 - Dec 2024

**Honors:** Magna Cum Laude, President's List 2022 & 2023, Dean's List 2024

**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, Liquid, Dart, SQL

**Tools/Databases:** MySQL, Firebase, Git, GitHub, VS Code, Unix, Vim

**Libraries/Frameworks:** React, Node.js, Django, Flutter

## 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](https://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%**.