QISHEN PANG

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LinkedIn: https://www.linkedin.com/in/qishenpang/ | GitHub: https://github.com/YsGBt

EDUCATION

Cornell University, Ithaca, NY   August 2024 - Present

Bowers College of Computing and Information Science

Candidate for Master of Engineering in Computer Science 2025

Northeastern University, Boston, MA   September 2019 – December 2023

Khoury College of Computer Sciences

Bachelor of Science in Computer Sciences and Mathematics 2024

Relevant Course:	Software Development | Algorithms & Data | Database Design | Programming in C++ | Object-Oriented Design | Computer System | Graph Theory | Calculus 1, 2 & 3 | Differential Equation and Linear Algebra | Probability and Statistics
Honors:	**GPA: 3.95/4.0** | Dean's List | Global Student Ambassador

TECHNICAL KNOWLEDGE

Languages:	Java | C/C++ | Python | HTML & CSS | JavaScript
Operating Systems:	Windows | MacOS | Linux
Database:	MySQL
Tools:	IntelliJ | VS Code | Git | LaTeX | Adobe Creative Suite | Microsoft Office Suite

RELATED EXPERIENCE

ByteDance, Beijing, China — *Research & Development Intern*   June 2024 – August 2024

- Gained familiarity with the Lark mini-program development process and contributed to the project within two days
- Developed a Lark mini-program for ByteDance's ticketing system using JavaScript, TTML, and TTSS
- Designed and implemented a reactive programming framework for the Lark mini-program, reducing code duplication and coupling, and significantly improving development efficiency

Northeastern University, Boston, MA — *Software Development TA*   September 2023 – December 2023

- Assisted students with design questions in software development during office hours
- Organized meetings as the grading leader to standardize the grading process after assignment closures
- Offered constructive feedback on student work and conducted spot-check on grading and feedback from other TAs

Northeastern University, Boston, MA — *Algorithms & Data TA*   September 2022 – December 2022

- Assisted students in understanding algorithms and data structures by utilizing clear and concise language, visual aids, and real-world examples during weekly office hours
- Provided timely and constructive feedback on course assignments, ensuring students understood and applied course concepts effectively

Tencent America, Palo Alto, CA — *SaaS HCM Implementation BSA Intern*   February 2022 – August 2022

- Acquired foundational knowledge in ServiceNow development in just two weeks, gaining exposure to HTML, CSS, and JavaScript and building a strong understanding of these technologies
- Developed a Python program to automate test data collection, resulting in a 75% reduction in time and labor required
- Designed and developed widgets for Tencent's employee portal based on ServiceNow, using HTML, CSS, and JavaScript to create a seamless user experience
- Organized and migrated Tencent's knowledge articles to the Tencent ServiceNow knowledge base, improving accessibility and searchability of critical information for employees

PERSONAL & ACADEMIC PROJECTS

Mini Linux File System   December 2023

- Developed a Linux user space filesystem based on FUSE, allowing users to perform essential Linux commands for files and directories such as touch, rm, mv, cat, mkdir, and cd

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Mini Shell   October 2023
- Developed a shell in C capable of executing a wide range of Linux commands
- Implemented support for advanced features including input/output redirection, piping, and command sequencing

Court Reservation System   April 2023
- Designed and developed a tennis court reservation system in C++, catering to the needs of different users including members, coaches, and officers
- Implemented a command-line interface (CLI) based on the court reservation system API, enabling users to sign up for accounts, check court availability, reserve courts, and modify existing reservations

Online Book Store   June 2022
- Built an online bookstore simulator in Java + MySQL, allowing users to register, login, search for books, add books to shopping cart, and complete purchases
- Developed an admin dashboard for bookstore administrators to add new books, manage inventory, and process orders

Photo Editor   July 2021
- Developed a photo editor in Java, supporting basic operations like mosaic, scaling, sharpening, and layering using Swing libraries
- Designed a user-friendly interface for users to import, process, and export photos, and implemented a file save and load feature

Maze   April 2021
- Developed a Java program that generates random mazes and provides animated solution using Swing libraries

INTERESTS

World Travel:	China | England | France | Germany | Japan | Singapore | Switzerland
Hobbies:	Hiking | Computer Building | Coding | Tennis | Video Editing
Language:	Chinese | English

References Available Upon Request