jason101011113@gmail.com | (617)-372-4007 www.linkedin.com/in/chih-tao-lee | github.com/Jazzcort | www.jazzcort.com

EDUCATION	
<i>Master of Science in Computer Science</i> , GPA 3.9 Khoury College of Computer Sciences Northeastern University Boston, MA Related Course: Algorithms, Computer Networking, Cloud Computing, Pattern Recognition and Computer Vision	2022 - 2024
Bachelor of Science in Engineering and System Science, GPA 3.9 College of Nuclear Science National Tsing Hua University Hsinchu, Taiwan	2012 - 2016
WORK EXPERIENCE	
 Full-Stack Software Engineer Internship, AI Roboto Edu, Pasadena, CA May 24 Developed APIs for client data integration using Spring Boot, while optimizing MySQL database queries to performance, resulting in a 12% reduction in average request latency Built an asynchronous state management system with Redux, ensuring seamless real-time synchronization wi which enhanced application responsiveness by 10%, even during slow network connections Leveraged Git and CI/CD pipelines to streamline development and deployment, accelerating release cycles, v overall project efficiency Improved user experience and engagement by designing and deploying a highly responsive and visually appear UI using React, Material UI, and Tailwind, providing intuitive navigation and faster interaction 	th the server, which improved
PROJECTS	
GoShell (GitHub: https://github.com/Jazzcort/shell-go) Oct. 20 • Designed and implemented a custom shell using Go, enabling execution of basic commands like ls, pwd, and • Integrated support for output redirection to enhance command-line functionality • Optimized architecture to allow extensibility for adding new commands and features • Gained hands-on experience with systems programming and process management through project developm	
Real-Time Chat Application (GitHub: https://github.com/Jazzcort/Rust RealTime Chat) Aug. 2	024 - Oct. 2024
 Developed a high-performance, terminal-based real-time chat application in Rust, leveraging Tokio (async lik Ratatui (TUI library) to ensure lightweight, memory-efficient operation Engineered an atomic broadcast system using channels and TCP streams, achieving concurrent message deliv users 	
 Mastered socket programming to build and maintain stable connections for data transmission across users Optimized error recovery mechanisms, enhancing chat responsiveness for an improved user experience 	
 Led both front-end and back-end teams to successfully launch Music View by prioritizing tasks and optimizin resulting in a 30% increase in team productivity and project efficiency Designed a well-structured database schema in MongoDB to efficiently organize and manage user data, optim retrieval and storage processes, resulting in a 30% reduction in query execution time Reduced server load by 55% by implementing the Tanstack Query library, which provided a front-end cache 	nizing data
 efficiently manage server state information Orchestrated an AWS EC2 cluster with Kubernetes and Docker image to enable automatic scaling during peperiods, ensuring zero downtime and uninterrupted service by efficiently distributing workloads and managing 	
	024 - Dec. 2024 bend-only files
TECHNICAL SKILLS	

Programming Language: Rust, Go, Python, Java, C, C++, C#, JavaScript, TypeScript, Swift

Web Technologies: Node.js, React.js, Express.js, Next.js, Three.js, Tailwind, Spring Boot, Ngnix, Apache, TCP, UDP, DNS Database: MongoDB, MySQL, PostgreSQL, Firebase

Others: Linux, Git, Docker, Kubernetes, AWS, GCP, Azure, Jenkins, Terraform, Redis, Kafka, Agile Development