QINGYI CHENG

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EDUCATION

Northeastern University | Seattle, WA *Sep. 2022 – May 2025 (Expected)*
M.S. in Computer Science GPA: 3.95/4.0
Relevant Coursework:
·Cloud Computing
·Computer Networking
·Database Management Systems

Hainan University | Hainan, China *Sep. 2018 – Jun. 2022*
B.A. in English Literature

EXPERIENCE

Software Engineer Intern *Jun. 2024 – Aug. 2024*
IpserLab

- Design and implement a user-friendly interface for video conferencing using **React**, **HTML**, **CSS**, and **JavaScript**.
- Develop the backend with **Node.js** and **Express.js**, creating a signaling server to facilitate **WebRTC** connections.
- Uphold **Agile/Scrum** methodologies by leveraging **GitHub** for source code management, scheduling weekly meetings to ensure positive small team dynamics.

PROJECTS

Global Data Query Site | *AWS (EC2, RDS, Systems Manager Parameter Store), MySQL, PHP* *Jan. 2024 – Apr. 2024*

- Deployed a **PHP** application on Amazon **EC2** to create a data query site that provides access to global data, including demographics and development statistics.
- Created and managed a **MySQL** database on **RDS**, initialized from an SQL dump file, enabling efficient querying of data from countries worldwide for research purposes.
- Implemented **AWS** Systems Manager Parameter Store for secure application parameter management and ensured backend system security to protect data integrity.

Discord Pokémon Bot | *Java, JDA, MongoDB, AWS, JUnit* *Sep. 2023 – Dec. 2023*
github.com/Diapanx/PokemonBot

- Led the creation of a Pokémon bot for Discord, providing an interactive, fun gaming experience for a community of over 100 users.
- Utilized Java Discord API (**JDA**) to create a robust Discord application, connected **MongoDB** hosted on **AWS** for efficient data storage and retrieval.
- Set up thorough testing using **JUnit5**, reached a strong test coverage of 92%, ensuring high-quality code delivery.

TECHNICAL SKILLS

Programming Languages: Python, Java, C, SQL, JavaScript, HTML/CSS
Frameworks: React, Node.js, Express.js
Database & Tools: AWS, Git, MySQL, MongoDB, JUnit, Gradle, PostgreSQL

EXTRACURRICULAR ACTIVITIES

Grace Hopper Celebration - Attendee *Sep. 2023*
Lesbians Who Tech - Attendee *Oct. 2023*

CERTIFICATIONS

AWS Academy Graduate - AWS Academy Cloud Foundations *Feb. 2024*