Hui Kong ⌾

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Education

Northeastern University   *Sep 2023 - Dec 2025*
Master's, Computer Science   *GPA: 4.0/4.0*
- Relevant coursework: Mobile Application Development, Object-Oriented Design, Discrete Structures, and Data Structures and Algorithms

London School of Economics and Political Science (LSE)   *Sep 2019 - Nov 2020*
Master's, Social Anthropology

Tongji University   *Sep 2014 - Jul 2019*
Bachelor's, Chinese Language Literature

Professional Experience

One Community Global | React, JavaScript, Node.js   *Remote*
Full-stack Software Engineer Intern   *May 2024 - Present*
- Developed the Highest Good Network for member management using the **MERN** stack (**MongoDB, Express.js, React.js, Node.js**); designed and implemented **RESTful APIs** in the backend; integrated user authentication and data validation.
- Conducted Pull Request (PR) reviews; ensured code quality, adherence to coding standards, and system-wide consistency; improved software maintainability and robustness; reduced code defects by **10%.**

InfiniFlow | Python, Linux, Docker   *Shanghai, China*
Software Engineer Intern   *May 2024 - Present*
- Integrated **LLM models**, including MiniMax, into the system; extended model functionality by **11%** to enhance performance.
- Developed the **SDK** and **HTTP API** for the open-source **RAG** (Retrieval-Augmented Generation) engine; contributed to a project with over **9k** GitHub stars; increased API efficiency by **70%**.
- Updated **Docker** environments for clients; streamlined deployment processes; reduced setup time by **120%**.

Northeastern University   *Seattle, WA, USA*
Graduate Teaching Assistant for Discrete Structures   *Jan 2024 - Apr 2024*
- Graded assignments; invigilated exams; facilitated communication between students and faculty; ensured timely feedback for over **30** students.
- Held weekly office hours; addressed student inquiries; provided academic support and clarification on course materials; increased student engagement by **80**%.

Uranus Research (Hedge Fund AUM: $1000 million)   *Shanghai, China*
CEO Assistant   *Nov 2021 - Sep 2022*
- Led talent acquisition with a **98%**+ success rate for top-tier candidates.
- Innovatively executed **20**+ promotional strategies for social media channels. Authored **20**+ impactful new media articles, resulting in a cumulative page view count **1.8m**+. Moreover, successfully grew the fan base by a remarkable **144%**.
- Cultivated strategic partnerships with prominent media outlets, securing **5**+ valuable media resources, elevating Uranus Research from obscurity to prominence within the Shanghai hedge fund arena.

China Railway Construction Urban Development Company   *Hangzhou, China*
Brand Strategist   *Dec 2020 - Oct 2021*
- Played a pivotal role in standardizing the company's brand identity, crafting **50**+ promotional materials that exemplified brand excellence.
- Conceived and executed **6** successful brand promotion activities, and completed **3** distinctive brand walls.
- Established connections with **2** prominent public media entities, contributing to enhanced brand visibility and reputation.

Projects

MemEcho   *Seattle, WA, USA*
Team Leader   *Feb 2024 - Apr 2024*
- Designed robust authentication processes; implemented registration, Google Account sign-in, sign-out, and forgot-password features; increased security and user retention by **80%**.
- Developed both private and public server features using **Firebase**; addressed varying user privacy needs.
- Engineered chat functionalities; enabled direct user communication within the platform; improved user interaction by **90%**.
- Developed search capabilities; optimized efficiency in finding specific posts and users; reduced search time by **100%**.
- *Link to project*

Ride-Sharing Service Driver Validation System   *Seattle, WA, USA*
Individual Developer   *Dec 2023 - Dec 2023*
- Developed a **Java**-based system to validate and register drivers for a ride-sharing platform; implemented key features for data processing.
- Engineered components to handle driver's personal details, vehicle information, and driving history; ensured accurate data management
- Utilized **Java** Collections Framework for efficient data management; improved system performance and scalability by **60%**.
- Designed a user-friendly interface for driver registration and query functionality; enhanced system usability and accessibility.
- *Link to project*

Skills

Skills: Java, Python, C/C++, Git, HTML/CSS, Linux, docker, MySQL, JavaScript, NodeJS, React
Languages: Chinese, German, Spanish, Japanese
Interests: Singing, hiking, coding