Bihui Jin

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**EDUCATION**

**University of Michigan – Ann Arbor Ann Arbor, Michigan**

*Rackham Graduate School in Mathematics (GPA:3.61/4.0)* August, 2024 – Expected January, 2026

* **Relevant Courses:** Algebraic Geometry / Differential Manifold / Real and Complex Analysis

**Boston University Boston, Massachusetts**

*College of Art and Science in Mathematics (GPA:3.93/4.0)* September, 2020 – June, 2024

* **Relevant Courses:** Abstract Algebra / Algorithm / Computer System / Graph Theory / Real Analysis / Topology

**WORK & INTERNSHIP**

**Hongkong Global Education Co.** **Shenzhen, China**

*Software Developing Engineer Intern* June, 2023 – September, 2023

* Built and enhanced a web application used for students to punch in their learning using **Next.js**, **Postgres** and **AWS Amplify**.
* Designed another website with user-friendly interface for publicity using **Vue.js**.

**Citigroup Collaboration Project** **Beijing, China**

*Data Research Assistant, Project Manager: Eva Li* June, 2022 – September, 2022

* Conducted deep research on XiangPiaoPiao (603711), using the company’s annual reports and prospectus to build mathematical models of the company's future value. Completed a 26-page coverage report on XiangPiaoPiao.
* Assisted in collecting industry data for the milk tea sector, using **Cheerio.js** to parse quarterly reports of milk tea companies and continuously update data on milk tea stores in Beijing.

**Huatai Securities Co., Ltd.** **Shenzhen, China**

*Research Assistant, Building Materials Research Department* June, 2021 – September, 2021

* Developed Python scripts to parse financial reports of glass companies, built a database on glass spot prices using **openpyxl**.
* Analyzed financial data of Asian Paints (from Wind database) using **Python** (**Pandas**, **NumPy**, **scikit-learn**, **Matplotlib**). Collaborated with the project manager to complete a research report on Asian Paints.

**ENTREPRENEURSHIP & PROJECT**

**ISF Research Institute** **Beijing, China**

*Co-Founder* May, 2019 – till now

* ISF Research Institute provides business training and guidance for high-net-worth clients and their children, and offers high-quality clients to business service organizations.
* Established a customer database by **MySQL** using **Spring Data/JPA/Hibernate**.
* Independently launched and managed the ISF Research Institute’s official social media account, recruiting and managing interns. Within six months, the account gained over 3,000 followers, with an average reading count of 2000.

**World of Warcraft Guild Management System Boston, Massachusetts**

*Developer* May, 2024 – August, 2024

* Collaborated with three guild partners to design and develop a custom Guild Management System to streamline raid scheduling, resource allocation, and member tracking.
* Designed and implemented features such as raid scheduling, event tracking, loot distribution, and member activity analytics using Java **Spring Boot**, **RESTful APIs, RBD**.
* Create an in-game plugin to allow the three raid leaders to use management tools in the game.

**Global Chinese Scholar Financial Union** **Beijing, China**

*Planning Director, Activity Department* June, 2020 – August, 2020

* Used a greedy algorithm to create personalized schedules for guests at the GCSFU three-day offline summit. The event attracted more than 500 attendees, with over 30 high-profile guests.
* Self-taught web development and independently created the GCSFU official website using **Vue.js**. Implement features to help registration and reminder for organizing the event.

**TECHNICAL SKILLS**

* Programming languages: Java, Python, C, C++, JavaScript (ES6), HTML5, SQL
* Development: Spring Boot, Spring Data, REST, JPA, Hibernate, Next.js, React.js, Vue.js, AWS
* Databases & Tools: SQL, MySQL, pandas, Matplotlib, openpyxl