

CHAO GAO

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🌐 [My Portfolio](#)

EDUCATION

Boston University

Sep 2022 – Aug 2023

Master of Science in Computer Science

Boston, MA

- Coursework: Computer Networks, Software Design and Patterns, Web Development and Database Management

University of Victoria

Sep 2017 – May 2021

Bachelor of Science in Mathematics and Statistics

Victoria, Canada

- Coursework: Algorithms and Data Structures, Mathematical Logic, Networking, Operating Systems

EXPERIENCE

Bank of China

Aug 2021 – Aug 2022

Software Engineer

Beijing, China

- Developed and maintained **.NET framework applications** using C#, contributing to the **enhancement of core functionalities** of the information management system and **improved user experience**.
- Designed and developed **RESTful APIs** with **ASP.NET Core** to integrate the web application with external systems, resulting in **improved data exchange and enhanced functionality**.
- Collaborated with senior developers to **implement new features and fix bugs** in existing applications, **gaining valuable exposure** to the full development lifecycle using **DevOps tools** like TFS, Gitlab, and Redmine.
- Assisted in the **documentation** of application processes, **APIs**, and **database schemas**, aiding in knowledge transfer and team efficiency.

NetEase

Sep 2020 – Dec 2020

Software Engineer Intern

Beijing, China

- Leveraged **C#** and **ASP.NET** to maintain online **documentation service**, by adding user-friendly **file-import dropdowns** and implementing a **grid view** for imported data, **increased file-import efficiency by 15%**.
- Formalized data extraction process for clients by **developing optimized SQL queries**, enhancing the overall **performance and user experience** of the application.
- Facilitated and **migrated API documentation** using **Swagger**, impacting **25** files and **1000** lines of code. Tested locally using **Postman** to ensure seamless integration and functionality.

PROJECTS

Expense Tracker Web Development | *Boston University*

Jan 2023 – Apr 2023

- Developed an expense tracker website, using **React** and **Next.js** frameworks.
- Configured **data storage** and **security rules** from Firebase for user **authentication** and **authorization**.
- Used **Redux** for state management and **React Router** for routes configuration and navigation among views of various components.
- Achieved **auto email sending** with **Emailjs API** and visualized statistical data with pie graph by **Echarts API**.

Personal Website | *Boston University*

Sep 2022 – Dec 2022

- Designed and programmed a **responsive personal website** to archive my projects and experiences.
- Programmed from scratch with only vanilla / plain **HTML, CSS, JavaScript**.
- Maintained front-end(menu bars, clickable buttons, and overall layout) accessible across all platforms.
- Responsive web design and routinely tested websites such as **ease of use**, stability to **optimize user experience**.

SKILLS SUMMARY

.Net Technologies: ASP.NET Core MVC, Entity Framework, Web API, RESTful API, Microservice, LINQ

Web Technologies: React, Angular, TypeScript, Bootstrap, Git, HTML, CSS & JavaScript

Databases & IDE Tools: SQL Server, MongoDB, Azure, Gitlab, Docker

Programming Languages: C#, Java, Python, JavaScript, SQL, Golang