

## EDUCATION

---

**Boston University** | Boston, MA Expected May 2024  
B.A. in Mathematics and Computer Science  
Major GPA: 3.90/4.00      Cumulative GPA: 3.93/4.00  
**Awards and Activities:** Dean's List (all 4 semesters)  
**Relevant Courses:** Data Structure, Computer System, Software Engineering, Data Mechanics, Informational Security, Intro to Algorithm, Network Security

## PROJECTS

---

**CitiBank Financial Innovation Application Competition** | Shanghai, CN Jun 2022 – present  
Group member in Algo Team

- Utilize Python to scrape products and events information from banks and other companies' websites.
- Clean and annotate dataset scrape from websites. Put clean datasets as input to train BERT model and able to extract entities of companies' names, event time, locations, and main events description from given commercial text.

**COVID-19 Policies Research** | Boston University Sep 2022 – Dec 2022  
Technical Leader

- Create data pipeline to transform data into Azure Database, including accessing and pulling data from MongoDB, Virtual Machine, and SQL database and working with Azure Synapse.
- Give insight of data and valued suggestions in policies efficiently prevent spreading of COVID by generating Power BI report.

**Online Chatting Room Application** | Boston University Jan 2022 – May 2022  
Group member

- Developed an online chatting room using Node.js, HTML, CSS, and JavaScript with team of three; Implement a login page in JavaScript for users and link users' data to Firebase.
- Designed 10 to 15 diagrams by using Draw.io including case, functional sequence, detailed class, and Entity Relational diagrams to report to development team.

**Little Calculators** | Boston University Mar 2022 – May 2022  
Personal developed project

- Implemented a simple calculator can handle addition, subtraction, multiplication, and division by C and assembly language.
- Ability to employ GDB to help debug and refine program functionality.

## WORK EXPERIENCE

---

**Department of Computer Science** | Boston University Sep 2022 – present  
Course Assistant

- Tutoring 200+ students in Python, data structures, Propositional logics, Boolean logics, JavaScript, and concepts in assembly. Critique and grade all students' homework in one CS course within a week.

**Chinese Students and Scholars Association (CSSA)** | Boston University Sep 2021 – Feb 2022  
Associated Leader in Technology Team

- Maintained and updated of CSSA website daily, including daily updating of information, revising layouts of modules, and improving beautification of CSSA webpages.
- Built mini program in WeChat helps Boston University's Chinese students find useful information such as house renting, course selection, and school activities.

## SKILLS

---

**Programming Language:** Python, Java, SQL, Vim, C, Bash, Assembly Language(x86), and HTML/CSS.

**Technology:** Azure, GitHub, Git, Linux, Unix, and Docker.

**Languages:** Fluent in Mandarin, Cantonese, and English.