

## EDUCATION

**Bachelor of Arts in Computer Science**, Boston University

May 2025

**Relevant Coursework:** Algorithms, data structures, Mobile Software engineering, Web programming, Discrete Math, Linear algebra, Computer Systems, Database Systems, Computer Networks, Probability in Computing

## TECHNICAL EXPERIENCE

**BU Spark! Technology Innovation Fellowship (PetSafe)**

September 2023 — present

Technical Developer

Boston, MA

- Orchestrated a cross-functional team of one UX designer and three developers to effectively launch and nurture a startup committed to delivering precise insights to pet owners regarding pet-friendly dining options and nearby destinations.
- Employed Ionic React to construct a comprehensive full-stack mobile application, while Prisma served as the backend database repository for the extensive collection of data related to pet-friendly venues in the Boston area.

**Software Engineer Intern**

June 2023 — July 2023

XuDuo Trade Co

HangZhou, China

- Designed and implemented **backend infrastructure**, **APIs**, and **data validation**.
- Enhanced website performance by implementing efficient javascript functions in the backend that improve the efficiency by 20
- Conducted **unit tests** for a robust MongoDB database.
- Actively participated in **team meetings**, **brainstorming sessions**, and **agile development processes**.
- Demonstrated strong **communication skills** through effective documentation.

## TECHNICAL PROJECT

**Task Manager**

July 2022 — September 2022

Personal Project-Full Stack web Application

[Github](#)

- Built a **Rest API** that stores the task object into MongoDB
- Used Mongoose Scheme to provide the **data validation**
- Mongoose Model to achieve the functionality of the application
- Used **dotenv** for users of it to connect to the db
- Tested **CRUD** API endpoints with Postman
- Used: **JavaScript, Express, MongoDB, Mongoose, Node, dotenv**

**Notes App**

May 2022 — August 2022

Personal Project-Frontend ReactJS

[Github](#)

- Created a basic markdown note app that has the functionality of note taking and editing.
- applied React-mde api to the application
- Used: **ReactJS, Hooks(State/Effect), Asynchronous API(async/await), JSX**

**Game Of CardMatch**

Jan 2022 — Mar 2022

CourseWork-CardGame Algorithm

[Github](#)

- involved with the programming deep usage of inheritance and polymorphism.
- Main file is CardMatch.java. Created four other classes using OOP.
- Description of the game could be found at README.md file in its github repository.
- Used: **Java**

**8 Puzzles Game**

SEP 2021 — DEC 2021

CourseWork-Game Algorithm

[Github](#)

- Designed and developed the **Eight Puzzle** game using **Python** and object-oriented programming (**OOP**) concepts.
- Implemented a range of classes, including Player, Computer Player, and others, to create a comprehensive game system.
- Utilized Python files to allow users to interactively play the game and experience the challenging puzzle-solving mechanics.
- Demonstrated proficiency in **OOP** principles by encapsulating game logic within well-defined classes, ensuring modularity and code reusability.

## SKILLS

**Programming Languages**

Java, Python, Swift, Javascript, typescript, C, Assembly, SML, Bash, SQL

**WebDev and Database**

Prisma, Node.js, Mongodb, React.js, Express.js, Bootstrap, passport.js

**Dev Tools/ OS**

Git, Postman, Docker,  $\LaTeX$ , Xcode, JSON/XML, MS Office, GNU, UNIX/LINUX, sqlite, jira, Figma

**Language**

English(Fluent), Mandarin Chinese(Native and Fluent)