

# JACHEN (“JAY”) LIU

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## WORK EXPERIENCE

### Capgemini | Software Engineer

Boston, MA

Aug. 2021 – Dec. 2022

Relevant experience in Agile/Scrum Methodologies, Algorithms and Data Structures, Database Management, Web Development, Version Control, Object-Oriented-Programming

- Worked as a Front End Developer for a major client in the insurance industry. Feb. 2022 – Aug. 2022
  - Utilized Agile/Scrum methodologies for project management and development (Jira).
  - Collaborated with business analyst and QA teams during daily standup meetings.
  - Managed source control using GitLab to push and commit code daily.
  - Built React applications and rendered user interfaces for the website.
  - Developed reusable components to streamline development and ensure consistency across the application.
  - Integrated RESTful APIs to dynamically fetch and display data, improving responsiveness and functionality.
  - Wrote unit and integration tests using Jest (and Mirage) to ensure code quality and reliability.
- Completed 12 Pluralsight courses relating to CI/CD, HTML/CSS, and earned an Oracle Certified Associate Java certification..
- Received a strong performance review and promotion within the first year.

### Boston University Enrollment Services and Operations | Desktop Technician

Sep. 2019 – May 2020

- Configured, deployed, and maintained computers and other technology equipment spanning 50+ end-users daily.
- Diagnosed software and operating systems issues, successfully resolving matters in a cross-functional manner.
- Maintained inventory of hardware and software licenses for 8 departments, including the Office of the Vice President.

## PROFESSIONAL DEVELOPMENT

### Generative AI Workshop with AWS | Massachusetts Institute of Technology

Mar. 2024

- Selected to participate in a collaborative workshop organized by MIT Machine Intelligence and Machine Operations (MIMO) and Amazon Web Services (AWS) focusing on the business potential, architecture, and limitations of generative AI technologies.
- Built AI agents using Amazon Bedrock, Q, S3, Cloud9, and Lambda.

### Nuts and Bolts of New Ventures | Massachusetts Institute of Technology

Jan. 2024 – Feb. 2024

- Completed a rigorous curriculum applicable to both for-profit and social/development ventures, gaining insights into key topics such as marketing, sales, negotiation skills, organizational and people issues, legal matters, and financing sources.
- Successfully completed sessions translating theoretical knowledge into practical solutions for entrepreneurial challenges.

### Independent Coursework | MITx

Oct. 2023 – Present

- Completing online classwork in 3 MITx verified courses (Data Analyst: Statistical Modeling and Computing in Applications, Machine Learning with Python: From Linear Models to Deep Learning, Introduction to Game Design).

## PORTFOLIO DEVELOPMENT

### Personal Project | Bang! Online

Mar. 2024 – Present

- Designing a Unity-based implementation of a social deduction card game for online multiplayer using Photon Fusion 2.
- Created a UML diagram to abstract common features of the game for a streamlined development process.

### ORIGIN Bootcamp | ThinkGreen

Jun. 2020 – Aug. 2020

- Built and pitched a technology-enabled business strategy addressing a UN Sustainable Development Goal, Zero Hunger.
- Prototyped a food supply management app addressing waste concerns in restaurants, focusing on end-to-end user experience.

### CS591 Final Project | Recursive to Iterative Loop in Python

Dec. 2020

- Developed a code interpreter to transform tail recursive functions to iterative equivalents.

## EDUCATION

### Boston University, B.A. in Computer Science, Minor in Business Administration & Management

Sep. 2018 – Jan. 2021

Relevant Coursework in Artificial Intelligence, Embedded Languages and Frameworks, Computer Networks, Full Stack Development

### Boston Latin School

June 2017

## SKILLS

### Certification:

Oracle Certified Associate (Java SE 8 Programmer)

### Programming Languages:

Java, C#, JavaScript ES6, Python, HTML, CSS

### Software Development Environments and Tools:

Visual Studio, Eclipse, Webstorm React / Redux, Jira, Mirage, Jest, Unity

### Productivity:

Notion, Slack, Microsoft Office, Discord, Git, Sourcetree, Miro

### Key Competencies:

Attentive to detail, hard-working, personable, collaborative, problem-solver

## PERSONAL

### Languages:

English (Native), Mandarin Chinese (Conversational), German (Basic)

### Community Engagement:

Boston University Community Service Scholar (25 hours per semester)

### Interests:

Board games and video games, Boston Celtics, Swimming