

Xinyang(Tommy) Cheng

xycheng@bu.edu | (857)265-4536 | Boston, MA

<https://xinyang-cheng.com/> | <https://www.linkedin.com/in/xinyang-cheng-325825260>

EDUCATION

Boston University, College of Arts & Science

Boston, MA

B.A. in Computer Science (cumulative GPA: 4.000/4.000)

Expected Graduation May 2026

B.A. in Applied Mathematics (cumulative GPA: 3.950/4.000)

Coursework: Computer Systems, Software Engineering, Multivariate Calculus, Geometric Algorithms, Probability, Combinatoric Structures, Applied Abstract Algebra, Linear Algebra

Organizations: BU Chinese Students & Scholars Association, BU IT Help Center, BU Upsilon Pi Epsilon

PROFESSIONAL EXPERIENCE

Radical AI

New York, NY

Software Developer & AI Engineer (remote)

Oct. 2023 – Present

- assisted in the development of the business website at the software development team
- actively worked on assigned AI projects, contributed over 300 lines of code, and made 10-50 minutes videos on Loom
- collaborated with the team on Gather and Slack on issue discussion and plan making

Boston University: IT Help Center

Boston, MA

IT Support Specialist

Jan. 2024 – Present

- participated in the Learning & Event Technology Services group on campus
- worked 12 hours every week; received phone calls; provided instant help on-site on hardware issue

GEC Academy

Shanghai, China

Research Project Coordinator

Jul. 2023 – Aug. 2023

- led a group of 21 students with Professor Patrick Rebeschini to learn and use the knowledge on Deep Reinforcement Learning to code learning programs solving environments and produce 8-page research papers in a 1-month program with 2 weeks remotely and 2 weeks on-site
- dived deep into the topic Deep Reinforcement Learning; showed ability to lead a class and prepare detailed lessons with 80-slide PowerPoints, in-class written questions, and quizzes during Office Hours

PROJECT

Gemini Quizify -- Streamlit

Boston, MA

https://github.com/TommyCheng023/Gemini_Quizify

Mar. 2024

- finished an AI-generated quiz tool project focused on providing students and learners with accessible and effective means to reinforce their understanding of various topics, with a demo included
- powered by Google Gemini; imported Langchain library for support; used Streamlit for user interface; wrote on Python
- created approximately 20 commits; contributed more than 300 lines of code; made a 54-minute video report on Loom

BU CSSA Official Website – React.js

Boston, MA

<https://www.bucssa.org/>

Feb. 2023 – Present

- designed and constructed a front-end based website that students can access to the detailed information related to BUCSSA, including events, resources, and information of the organization
- created 30 commits on average to the project every month; contributed more than 800 lines of code
- checked and changed all hardcode written by collaborators into flexbox to improve responsive; provided design templates on Figma; took charge of the mobile responsive of webpages

BU CSSA Application Portal – Flask

Boston, MA

<https://application-portal.bucssa.org/>

Feb. 2023 – Jun. 2023

- built a website that students can submit application to BUCSSA with their resumes and register relative activities
- created 15 commits on average to the project every month; contributed over 200 lines of code
- handled over 300 users; reached more than 67000 visits and 2811 transactions per minute at maximum

TECHNICAL SKILLS

- Languages:** Mandarin (Fluent), English (Fluent), French (Elementary)
- Programming Languages:** Python, Java, C++, HTML, JavaScript, CSS, Git, x86-64 Assembly, C
- Data Science Libraries:** NumPy, Pandas, Matplotlib, Scikit-learn, VertexAI, Langchain
- Framework:** React, Flask, Jinja Template, Streamlit
- Dev/AI Tools:** GitHub, Visual Studio Code, Eclipse, Figma, Jupyter Notebook, Spyder, Red Hat OpenShift, GCP