Zeyu Gu

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EDUCATION

Boston University   Boston, MA
Bachelor of Arts in Computer Science   September 2018 - May 2022(expected)
- GPA: 3.94/4.0
- Dean's List

PROFESSIONAL EXPERIENCE

Quality Assurance Engineer Intern   May 2020 – August 2020
Bytedance   Beijing, China
- Led API testing, test case design, and test script writing for company internal applications
- Wrote automated API testing scripts in Java using TestNG framework, which could replace part of the manual testing process and identify major functional bugs
- API test scripts achieved 70% overall code coverage rate and 100% coverage rate for major API functions
- Touched and worte Jenkins Pipeline Script to implement automated testing continuous integration

Software Engineer Intern   August 2019 – September 2019
Microsoft Asia-Pacific R&D Group   Beijing, China
- Undertook the design and development of a chatbot service according to project specifications
- Spearheaded the chatbot program design and code writing, independently developed the WeChat chatbot, deployed to Linux server, and used third-party APIs to execute certain chatbot functions such as auto-reply, package delivery tracking, recipe searching and weather report
- Consulted the LUIS AI team in training an AI model for user intent recognition to facilitate appropriate chatbot response generation

OTHER EXPERIENCE

Teaching Assistant   September 2021 – December 2021
Boston University Electrical & Computer Engineering Department   Boston, MA
- Teaching Assistant for ENG EC414(Intro to Machine Learning)
- Hold Office Hours, helping students with questions regarding homework and various machine learning concepts
- Lead discussion sessions and instructing students on the applications/implementations of various machine learning algorithms
- Responsible for creating and grading homework for this class

PROJECTS

Media Roulette | *Nodejs, PUG, MongoDB*   October 2020 – December 2020
- A web app capable of making playlist suggestions based on the local weather at users' location
- the app supports user registration and OAuth login and uses MongoDB to store user information and playlist recommended in the past

Dynamic Memory Management System | *C*   November 2019 – December 2019
- A basic heap management system implemented in 2 different ways
- the first implementation uses implicit list and first fit policy, the second uses a redirection table and a heap compaction scheme

Sudoku Solver | *Python, Tkinter*   July 2019
- A sudoku solver with GUI written in Python
- Python Tkinter package was used for UI design

TECHNICAL SKILLS

Languages: Python, Java, Javascript, Go, SQL, HTML
Frameworks: React, Express, TestNG, Flask, Pytorch
Libraries: Matplotlib, Numpy, Pandas