

TAYZA SHWE

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EDUCATION

Boston University College of Arts and Sciences, Boston, MA
Bachelor of Arts in Computer Science & Minor in Statistics
GPA: 3.33

May 2024

TECHNICAL SKILLS

Frontend | React.js, JavaScript, HTML5, CSS3
Backend | MongoDB, Express.js, Node.js, PostgreSQL, MySQL
Developer Tools | Git, npm, Webpack, Docker, Agile Methodology
Other Programming Languages | Ocaml, Java, Python, C++, C#

WORK EXPERIENCES

Ultimate Kronos Group (UKG), Lowell, MA
Software Engineer Intern

September 2022 - Present
C# | SQL

- Wrote automated test scripts as a quality assurance software engineer and contributed to the localization feature of one of the company's main products.
- Identified a missing crucial function in an internal testing framework and implemented the function which is now used by other testers on the team.

SEE ID, Shirley, MA

June 2022 - August 2022

Software Engineer Intern

JavaScript | React.js | Node.js | Express.js | MongoDB | Docker | EC2

- Developed a proof-of-concept of a FullStack real-time asset tracking application, independently, for the Department of Defense, and acquired new clients using the application.
- Built REST APIs using Node.js and Express.js and set up a reverse proxy using NGINX to authorize and authenticate user profiles and to interact with asset data.
- Deployed the application on an AWS EC2 instance which was used for product demonstrations with clients.

PROJECTS

Trading Bot

November 2021 - January 2022

Individual Developer | Independent Project

Python | JavaScript | HTML5 | CSS3

- Programmed a cryptocurrency trading bot using Python that automatically creates trailing stop loss orders and trailing take profit orders based on the current price of an asset which is updated at a chosen time interval.
- Developed a web version of the trading bot to simulate the trading bot with fake money. Used Cryptocompare to retrieve historical price data and Chart.js to chart the data.
- **Github:** https://github.com/TayzaShwe/crypto_trading_bot_repo.git

Tic-Tac-Toe Game

May 2022

Individual Developer | Independent Project

Python | PyQt5

- Programmed a tic-tac-toe game using Python that allows the user to play against another player, an easy bot that randomizes moves, and a hard bot that uses the minimax algorithm to find the optimal move.
- Designed a graphical user interface for the game using PyQt5 and created an executable file for linux using PyInstaller to play the game.
- **Github:** https://github.com/TayzaShwe/tic_tac_toe.git

Interpreter

April 2022

Individual Developer | Course Project

Ocaml

- Programmed an interpreter using Ocaml that accepts a string of commands, evaluates the commands on a stack, and returns an array of results.
- Learned to use abstract types to write parsers which the interpreter used to accept commands ranging from basic mathematical operations to declaring functions with closures.
- **Github:** https://github.com/TayzaShwe/cs320_interpreter_project.git

Portfolio Website

April 2022

Individual Developer | Independent Project

JavaScript | HTML5 | CSS3

- Programmed a portfolio website using and deployed it on github to showcase my projects.
- **Github:** https://github.com/TayzaShwe/portfolio_website.git