

# TAYZA SHWE

Boston, MA • 510-998-6496 • jonathanshwe0707@gmail.com  
tayzashwe.github.io/portfolio\_website • linkedin.com/in/tayzashwe • github.com/TayzaShwe

## EDUCATION

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**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

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**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

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**Ultimate Kronos Group (UKG)**, Lowell, MA

September 2022 - Present

*Software Engineer Intern*

- “Born from a historic merger that created one of the world’s leading HCM cloud companies, we help 70,000+ organizations across every industry anticipate and adapt to their employee’s needs beyond just work.”
- The intern will be expected to design, develop, troubleshoot and debug software applications at the enterprise level and use a variety of tools including Big Data platforms and web frameworks.

**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

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**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](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](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](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](https://github.com/TayzaShwe/portfolio_website.git)