

# TAYZA SHWE

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## EDUCATION

**Boston University College of Arts and Sciences**, Boston, MA

**May 2024**

*Bachelor of Arts in Computer Science & Minor in Statistics*

*GPA: 3.33*

## TECHNICAL SKILLS

**Frontend** | React.js, JavaScript, HTML5, CSS3

**Backend** | MongoDB, Express.js, Node.js, PostgreSQL, MySQL

**Developer Tools** | Git, npm, Webpack, Docker, Kubernetes, Ansible, Agile Methodology

**Other Programming Languages** | Ocaml, Java, Python, C++, C#

## WORK EXPERIENCES

**Capital One**, Richmond, VA

**June 2023 - August 2023**

*Incoming Software Engineer Intern*

**NBCUniversal**, Boston, MA

**January 2023 - Present**

*DevOps Engineer Intern*

Docker | Kubernetes | Ansible

- Improved the deployment process of AWX onto servers from an outdated process to a new one utilizing Kubernetes and automated the process by writing an ansible playbook for it.
- Migrated 40 projects that control over 11,000 servers from the old AWX deployment to the new deployment.

**UKG**, Lowell, MA

**September 2022 - December 2022**

*Software Quality Assurance Engineer Intern*

C# | SQL

- Contributed to the localization feature of one of the company's main products by writing over 30 automated test scripts and documenting the results of manual tests.
- Fixed bugs in the company's main internal testing framework and added new features to it.

**SEE ID**, Shirley, MA

**June 2022 - August 2022**

*FullStack Developer 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, that helped acquire new clients and win multiple contracts.
- Built REST APIs using Node.js and Express.js, set up a reverse proxy using NGINX, and 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](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.
- **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.
- **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)