

KYLE YUNG

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EDUCATION

Boston University

Bachelor's, Computer Science

September 2021 - May 2025

PROFESSIONAL EXPERIENCE

Rodman Ford

IT Intern

Foxboro, MA, USA

May 2024 - August 2024

- Served as only IT staff member, provided technical support to 100+ staff and employees
- Handled server administration tasks such as monitoring, updating, troubleshooting, and installations of new server systems to ensure optimal performance and security
- Implemented and monitored IT policies and procedures to ensure smooth operations.

Rodman Ford

Software Engineer Intern

Foxboro, MA, USA

May 2022 - August 2022

- Initiated creation and implementation of an intranet for 100+ employees to better share information and tools
- Utilized a combination of HTML, CSS, JavaScript, and React to allow dynamic and interactive user experiences
- Implemented Apache server hosting to deploy and manage web applications, ensuring reliable and efficient performance

Beaver Country Day School

IT Intern

Chestnut Hill, MA, USA

March 2021 - June 2021

- Offered assistance to 700+ students and faculty with technology-related issues
- Engaged in documentation projects to support the use of both basic and advanced tools, enhancing academic experience.

PROJECTS

Tetris Neural Network Agent

Machine Learning Engineer

Boston, MA, USA

September 2024 - December 2024

- Developed a reinforcement learning agent for Tetris by implementing key components such as state-action representation, reward engineering, and neural network-based Q-value prediction
- Designed a training pipeline leveraging temporal difference (TD) learning with replay buffers to aggregate transitions and mitigate overfitting
- Conducted iterative cycles of training, evaluation, and performance improvement, leading to a highly proficient agent.

AI Chess Bot

AI Engineer

Boston, MA, USA

September 2024 - December 2024

- Developed an AI-powered chess bot utilizing Sepia and Java, integrating the fundamental mechanics of chess gameplay
- Incorporated heuristic algorithms to enhance the bot's decision-making capabilities, allowing the bot to analyze the board more strategically by weighing factors like pawn structures, king safety, and control of central squares

BU Class-Catcher

Full-Stack Developer

Boston, MA, USA

September 2023 - December 2023

- Developed an application to assist Boston University students in finding and scheduling classes for future semesters, leveraging Google Calendar and Google Maps APIs for seamless integration.
- Created a web scraper to extract information from 2,000+ courses in BU database, ensuring up-to-date and accurate data
- Utilized React, Node.js, Flask, and SQLAlchemy to build and maintain the application, combining front-end and back-end technologies for a robust and user-friendly experience.

SKILLS

Technologies: React.js, Node.js, Git, MATLAB, Data Science, Data Structures & Algorithms, Data Analysis, Flask, Jupyter, MongoDB, NumPy, Web Development, PowerShell, Terminal, MongoDB, Django, Microsoft Azure, REST APIs, API, Machine Learning, Linux/Unix, AI, Pandas, Seaborn

Languages: Python, Java, HTML, CSS, Javascript, Bash, C#, C++, XML, SQL, OCaml