

# MICAH AKAI-NETTEY

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[Personal Website](#) | [LinkedIn](#)

## EDUCATION

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**Tufts University** – Medford, MA, USA

**Graduating May 2024**

**Major:** Computer Science.    **Minor:** Entrepreneurship

**Relevant Coursework:** Data Structures, Machine Structure and Assembly Language, Web Programming, Databases, Programing Languages, Computation Theory

**Github:** <https://www.github.com/iam-micah>

## WORK EXPERIENCE

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**Raid The Room LLC | Software Engineering Intern**

**Jul 2022 – Sep 2022**

- Built a tool that tracks live user information, which includes amount of time a user spent talking to another user on the metaverse, the total area the user walked on the metaverse, and the different number of people a specific user interacted with on the metaverse. The tool was built using TypeScript and has been used for 5 different metaverse events hosted by 4 different client companies.
- Created a front-end design using Adobe Photoshop, Illustrator, and Figma for Office Space Designs for 3 Client Companies.

**Multimodal Learning, Interaction, and Perception Lab | Undergraduate Researcher**

**Mar 2021 – Jun 2022**

- Built an external Wi-Fi module for SPIKE PRIME LEGO kit using the ESP8266 and MQTT protocol, and a web-based mobile application using Unity, C# and Python
- Developed an Augmented Reality Interface using Unity Engine and Vuforia libraries to create easy to use apps that teach K-12 students Reinforcement Learning concepts. [Live Demo 1](#) | [Live Demo 2](#)

## PROJECTS

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**Jumboverse | TypeScript, Gather API**

<https://www.jumboverse.io>

- Built a metaverse representation of Tufts University campus used by 50+ users
- Implemented a module for connecting and engaging on the metaverse through giving and accepting “friend requests”
- Implemented amusement park functionality including racetrack leaderboard to allow users of our platform to be entertained while on the metaverse

**Sudoku Solver | Python, C++, HTML, React.js, CSS**

<https://github.com/iam-micah/sudoku>

- Use backtracking algorithms to solve sudoku puzzles. Source code for both python and C++ in GitHub.
- Working on an interactive web-based version of the solver using React.js, JavaScript and CSS

**Chrome lead tracker extension | HTML, CSS, JavaScript**

[https://github.com/iam-micah/lead\\_tracker](https://github.com/iam-micah/lead_tracker)

- Save marketing leads from GitHub, LinkedIn and other social platforms to local storage. Saved 400+ leads with this tool.

## SKILLS AND PROFICIENCIES

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- **Programming Languages:** Python, JavaScript, TypeScript, PHP, C, C++, AMD x86, MASM
- **Experience with:** HTML, CSS, Git, GitHub, MongoDB, SQL, React, Node.js, WordPress, Adobe Suite, Figma

## CAMPUS INVOLVEMENT

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- **National Society of Black Engineers**
- **Center for Engineering and Education Outreach**

## HOBBIES AND INTERESTS

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- [Guitarist on YouTube](#) | [Tech YouTuber](#) | Videography | Photography | Soccer | Reading | Podcasting | Interviewing