

Ricky Banh

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📁 [Portfolio](#)

🌐 [LinkedIn](#)

EDUCATION

Georgia Institute of Technology – M.S. Computer Science
Robotics and Computational Perception Specialization

August 2020 – December 2022

SUNY University at Buffalo – B.S. Mechanical Engineering

September 2013 – May 2017

COURSEWORK

Data Structures and Algorithms, Database Systems, Machine Learning for Trading, Human-Computer Interface, Robotics AI, Computational Photography, Artificial Intelligence, Game AI

EXPERIENCE

Georgia Institute of Technology | Remote

May 2021 – Present

Graduate Teaching Assistant

- Teaching assistant for [CS7638 Robotics: AI Techniques](#).
- Hosted office hours for students and offered guidance on topics such as planning and searching, robotics localization, tracking and mapping and controls
- Performed code reviews and aided students in diagnosing and debugging their code

Hoamsy LLC | Boston, MA

August 2020 – December 2020

Full Stack Developer Intern

- Used Vue.js framework, HTML, CSS, and JavaScript to develop front end elements for web app
- Performed backend data restructuring and cloud operations with Firebase in order to improve storage of user data
- Utilized SendGrid and Google APIs in order to create automated cloud functions
- Implemented rating algorithms that handled user matching and adaptation of legacy data
- Used SVG and wireframe tools to assist with UI/UX design

PROJECTS

Video Stabilization

- Implemented a rendition of [auto-directed video stabilization](#) software that is similar to what is used on YouTube to stabilize shaky video.
- Built using Python and Python libraries such as OpenCV, NumPy and matplotlib.

Three Snails Isolation

- Created an AI agent capable of playing a variant of the game Isolation
- Utilized various concepts of adversarial search such as Mini Max and Alpha-beta Pruning to optimize the AI agent
- Built using Python and Jupyter Notebook

Yelp Camp

- Built a web application that replicates the functionality of Yelp. Users can sign up, log in, post pictures and leave reviews for various campgrounds.
- Built using HTML/ CSS/ JavaScript, Express and mongoDB

SKILLS

Python, Java, C#, C++, Unity, HTML5, CSS, JavaScript, PostgreSQL, Vue.js, Express, Node.js, GCP Firebase, Git