

JAY KANG

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EDUCATION

New York University Tandon School of Engineering

New York, NY

B.S. in Computer Science, Minor in Game Engineering

Sep 2018 – Dec 2021

- Cumulative GPA: **3.91/4.00** (Summa Cum Laude)
- Relevant Courses: Web Development, AI in Games, Machine Learning, Design Project, Software Engineering, Databases, AI, Object Oriented Programming, Algorithms, Data Structures
- The Myron M. Rosenthal Computer Science Award: awarded to recognize outstanding academic achievement, service, leadership, and contributions within the NYU Tandon Community

SKILLS

- **Efficient in programming language:** JavaScript, HTML, CSS, Python, C#, C++
- **Knowledgeable in programming libraries:** JQuery, JQuery UI, React
- **Technical Skills:** Unity, Github, MySQL, PostgreSQL, Node.js, Bootstrap, React, PHP, Agile Programming, WordPress
- **Others:** Bilingual in English and Korean, excellent communication skills, good problem solving skills, Team-player

PROJECTS

Personal Website (<https://jkjaykang.github.io/resumeWebsite.html>)

- Responsive, mobile compatible website with personal introduction and experiences
- Created using HTML, CSS, jQuery, and Bootstrap

Online Evolutionary Planning for AI

- Implement online evolutionary planning for Tribes, a framework for studying AI in turn-based strategy games
- AI evaluates heuristics value from potential actions to take from different scripts, choosing the best action found in a given time

EXPERIENCE

Xiris

Remote

Intern

Jan 2021 – April 2021

- Utilized machine learning and computer vision to detect road defects through image and object recognition
- Collaborated with a team of software engineers to monitor and aid project development and data

NYU - Undergraduate Summer Research Program

Remote

Researcher

June 2020 – August 2020

- Contributed to an open-source project called Indra, an agent-based modeling system, in an agile development environment
- Developed a new epidemic model to effectively and accurately track the disease spread in a population
- Implemented changes to the project back end, utilizing Python to improve and develop the base model system

Cook Medical

Bloomington, IN

Summer Hire

June 2019 – August 2019

- Worked in the vascular division, tasked with market and product research and data mining and organization
- Performed industry research and data organization analyses comparing competitor products and efficacies, which were utilized to plan the company's launch approach in the Asian markets
- Helped supplement the team's strategic decisions and views on new market penetrations and market shares

REFERENCES (Available upon request)

Eugene Callahan (Professor at New York University)

Diego Garcia (Professor at New York University)