

# YOON (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 - Present

- Cumulative GPA: **3.92/4.00**
- Relevant courses: Web Development, AI in Games, Machine Learning, Design Project, Software Engineering, Operating Systems, 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

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## EXPERIENCE

### Xiris

Remote

Intern

Jan 2021 – April 2021

- Utilized machine learning and computer vision to approach and develop the core software to detect road defects and identify other objects through image and video recognition technology via mounted cameras
- Collaborated with a team of software engineers to monitor and aid project development and data
- Utilized Tensorflow to implement detection of objects and defects on roads

### NYU - Undergraduate Summer Research Program

Remote

Researcher

June 2020 – August 2020

- Contributed to an open-source project called Indra, which is an agent-based modelling system
- 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
- Actively participated in agile software development environment, holding frequent meetings to discuss progress and any difficulties

### Cook Medical (Medical Device Manufacturer)

Bloomington, IN

Summer Hire

June 2019 – August 2019

- Worked in the vascular division, tasked with market and product research and data mining and organization
- Aided the vascular team by performing 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
- Prepared a comprehensive presentation on the Chinese medical devices market and presented to the vascular team, helping to guide the team's strategic decisions and views on new market penetrations and market shares

### TechPro (IT Consultant Company)

Irvine, CA

Server Developer

June 2017 – August 2017

- Developed internal and external servers specialized to transfer files at high speed, efficiency and security by both assembling the hardware and the software components
- Deployed virtual machines for Linux and Windows to establish server firewalls, security and transfer methods

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## SKILLS & INTERESTS

**Language:** English (fluent), Korean (fluent)

**Technical:** Microsoft Office, Unity, Github, MySQL, PostgreSQL

**Programming Language:** Python, C++, JavaScript, HTML, CSS

**Interests:** Drawing, Fictional Writing, Storyboarding, Coding

**Projects:** <https://jkaykang.github.io/resumeWebsite.html> (resume website with links to other websites I have made)  
<https://jkaykang.itch.io/> (browser games made from Unity)