

Sunny Jeong

sunny.jeong@nyu.edu | (332) 262-9200 | New York, NY
linkedin.com/in/soeui-sunny-jeong | github.com/sunnyj420

Education

Bachelor of Science in Computer Engineering

May 2023

New York University, Tandon School of Engineering

GPA: 3.3 | Recipient of the RA Award 2022-2024

Relevant Coursework: Data Structures & Algorithms, Object Oriented Programming, Introduction to Databases, Digital Logic & Machine State Design, Embedded System, Computer Architecture, Operating System, Software Engineering

Experience

Head Teaching Assistant/IT Administrator

January 2022 - Present

New York University, General Engineering | New York, NY | Autodesk Fusion 360, Arduino, Raspberry Pi, C++, VEX

- Managed the General Engineering network services and maintained servers used to administer the General Engineering domain by Coordinating with NYU IT and using tools such as DNS Manager
- Diagnosed and fixed issues related to the software and hardware of the 50+ computers
- Coached and mentored students to develop engineering solutions to real-world problems using both software and electrical components with tools such as VEX, Arduino, Raspberry pi, Fusion 360, and Revit

Web Developer

March 2023 - May 2024

New York University, General Engineering | New York, NY | React (v16.2), JavaScript, PHP, SQL, CSS, HTML

- Collaborated with a team of 6 developers and designers to design and implement a cohesive site layout and navigation structure to the development of a new website for the General Engineering Department at NYU, utilizing HTML, CSS, JavaScript, and React to build responsive and user-friendly interfaces
- Ensured cross-browser compatibility and optimized website performance, achieving a 40% improvement in page load times through efficient coding practices.
- Employed Git for version control and project management, maintaining a clean and organized codebase with over 150 commits.

Quality Engineering Intern

March 2021 - September 2021

RAON | Seoul, South Korea | Appium, Node, Python, JavaScript, HTML, Android Studio

- Led a team of 5 to create 3 Python automation testing programs, increasing testing efficiency by 800%
- Formulated and developed 20+ test cases each week on various media of product modules depending on the clients' demands while conducting software tests on 15+ different OS versions
- Identified potential issues early through code reviews, optimized the USIM Smart Authentication application
- Participated in Agile development processes, including daily stand-ups, sprint planning, and retrospective meetings, contributing to a 25% increase in project efficiency.

Web Developer/Talent Manager

May 2019 - March 2021

Agency Grin | Seoul, South Korea | TailwindCSS, JavaScript, Python, HTML, CSS

- Increased the branding value against other modeling agencies by developing the company website, agencygrin.com
- Organized and coordinated up to 15+ meetings and contracts weekly with 5+ agencies from France, Australia, and Russia on castings for executives on various projects such as commercials, photoshoots, fashion shows, movies, TV series, and music videos

Projects

UniMarket - University Marketplace

React, MongoDB, Flask, Node, Python, HTML, JavaScript, CSS

May 2023 - Present

- Collaborated with a team of 4 developers to develop a dynamic marketplace platform for university students
- Engineered a Python-based Flask app with RESTful API endpoints, reducing manual data handling by 50%
- Built an interactive frontend using React, ensuring effective interaction with backend services and improving user interface responsiveness by 30%.
- Deployed the application on PythonAnywhere, leveraging MongoDB for cloud-based data management and setting up continuous deployment through GitHub actions, accelerating deployment processes by 40%.
- Adopted agile methodologies, incorporating a kanban board for project management and delivering progress updates in daily stand-up meetings, increasing overall team productivity by 25%.

Undergraduate Researcher

January 2021 - February 2023

New York University, General Engineering | New York, NY | Autodesk Fusion 360, Raspberry Pi, Arduino, C++

- Designed and derived high-power rockets to compete in NASA's University Student Launch Initiative
- Engineered software/hardware code for various sensors of the rocket: 6DOF, LSM6DS0, MPU6050
- Awarded 1st place in the 2022 NASA Student Launch Competition for the Project Review Award in the USLI Design Division and 2nd place finalist

Relevant Skills

Programing Languages: C++, JavaScript, Python, HTML, CSS, Java, SQL, PHP, ASM, Verilog

Frameworks: React, Flask, Node.js, MySQL, TailwindCSS, PythonAnywhere, Appium, MongoDB

Languages: English(Fluent), Korean(Fluent), Chinese(Semi-Fluent)