You-Kwhan Kim

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EDUCATION

STONY BROOK UNIVERSITY   **Sept 2018 - May 2022**
Bachelor of Science in Applied Mathematics and Statistics, Economics **|** *Dean's List 2018 - 2022*   Stony Brook, NY

Courses: Data Structures and Algorithms, Object-Oriented Programming in Java, Graph Theory, Discrete Math, Data Analytics, Statistical Programming, Data Science and Machine Learning, Linear Algebra

PROGRAMMING SKILLS

Programming: Python, Javascript, HTML, CSS,
Frameworks and tools: Git, Github, React.js, Firebase, Figma, Bootstrap, Pygame

EXPERIENCE

Headstarter   **June 2022 - Sep 2022**
Software Engineering Fellow   New York, NY
- Selection as a Software Engineering Fellow out of 700+ candidates, with a 14% acceptance rate.
- Achieved real-time data entry capabilities in full-stack application and serverless APIs using Firebase Cloud.
- Led the development of 3 CRUD applications from design to deployment, alongside 4+ fellows following Agile and MVC design patterns.

SBUHacks   **SBUHacks 2020**
Technical Assistance   Stony Brook, NY
- Provided guidance in the 1st Stony Brook Hackathon, which attracted over 800 registrations and 300 participants.
- Collaborated with a team of 4 to design a racing game using Pygame.
- Learned and explored the fundamentals of game development, such as principles of 2D graphics, animation, sound, and collision detection.

Seed Learning Center   **May 2018 - Aug 2018**
Software Engineering TA   Hartsdale, NY
- Contributed to lesson planning and implementation of computer science fundamentals and introduction to Python.
- Assisted primary teacher in providing classroom support and oversight for student learning.
- Guided students in developing their projects, such as a chess game using object-oriented programming concepts and techniques.

PROJECTS

QuikPic | React.js, Tailwind CSS, Sanity   **Github • Live**
- Created a Full Stack Social Media application, aimed towards sharing user experiences through photographs.
- Achieved complete control over posts for users by designing and implementing a Sanity API based on CRUD operations and designing schemas using Sanity Studio as the backend and React.js as the frontend.

Automated Resume Parser | React.js, JavaScript, Firebase, Figma, CSS   **Github**
- Contributed to the development of a Resume Parser web app using React and Firebase to automate resume screening process by extracting keywords related to name, education, and programming languages
- Worked on parsing logic to identify key information and enabled easy keyword-based filtering of resumes by implementing a search function
- Collaborated with a team to streamline the screening process and improve accuracy, demonstrating strong teamwork and technical skills.

Movie Watchlist | Javascript, HTML, CSS, REST API   **Github • Live**
- Developed a centralized web application to track and store user's favorite movies and TV shows, improving the reliability and convenience of bookmarking.
- Utilized the OMDb API to fetch and render searched movies to the DOM and implemented local storage to allow users to store and remove movies from their watchlist.

Reef Reviver | InnovateIT Hackathon   **Reef Reviver**
First Place Winner
- Winner of the "Best First Time Hacker" out of 40 participants at Stony Brook University.
- In 24 hours assessed world problems and suggested possible solutions to rising temperature in our coral reefs.
- Led a team of 3, in the designing phase of development using Autodesk Inventor.