Taesuk Song

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EDUCATION

George Mason University, *B.S. in Computer Science* / Fairfax, VA   June 2024
- **Relevant Coursework**: Computer Systems Programming (OS and Computer Architecture), Formal Methods and Models, Low-Level Programming (C), Data Structures, Object Oriented Programming (Java), Python Programming

WORK EXPERIENCE

Software Engineering Intern – Capital One, Mclean, VA   June 2023 – Aug 2023
- Developed a full stack web application integrating an internal testing framework with a user-friendly UI, enabled parallel testing and reduced operation time exponentially by 97%.
- Deployed Amazon Web Services to establish seamless connectivity between GitHub and internal APIs, enabling real-time monitoring of the application's workflow.
- Implemented secure database access to facilitate storage and retrieval of sensitive user info and test result history.

IT Systems Administrator – **George Mason University**, Fairfax, VA   May 2021 – Aug 2021
- Directed and organized streamlined approach for IT department team consisting of 4 people by creating daily agenda items and maintaining communications.
- Drove innovative solutions for complex server issues using customer service skills while acting as key point of contact for technical discrepancies.

Software Engineering Intern – **InnoDataBridge**, Seoul, South Korea   May 2020 – Aug 2021
- Re-programmed AI-based software by operating various open-source AI libraries such as TensorFlow and Keras.
- Cooperated and liaised with global management team in South Korea to discuss issues and develop corrective action plans.
- Managed the formulation and execution of novel data visualization tool, automatically selecting the best graph type for submitted data and integrating machine learning technology to analyze data and forecast expected growth.

Front End Developer / Co-founder – **Sunny Syrup**, Richmond, VA   March 2020 – Dec 2020
- Designed and developed interactive, client-facing websites with easy-to-use navigation and purchase system.
- Strategized and spearheaded social media marketing on Facebook and Instagram, enhancing outreach and brand awareness.
- Orchestrated major business operations and concluded the project with a profit margin of 35%.

PPROJECTS

Personal Fitness App (Java)   July 2021
- Programmed and developed a fitness application, providing ability to create and modify daily and weekly fitness plans based on personal goals customized for each user.
- Implemented various activity level and calorie burn calculation to provide calorie burn count specific to the user.

Fighter Game (Python)   Sep 2021
- Developed a turn-based fighter game, inputting various player moves and field locations to determine the winner.
- Designed complex point systems, considering player type, strengths, weaknesses, and locational advantages.
- Released periodical updates and patches with new features with multiple rounds of balance testing.

Programming Languages: Java, Python, HTML, CSS, JavaScript, C, C++, MySQL, R, Git
Amazon Web Services: Lambda, EC2, S3, Kinesis, Cloud Watch, DynamoDB
Other Libraries: TensorFlow, Keras, Plot.ly, Pandas, Pywin32, Vue, Node.js, Figma