Seong Wook Park

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Education

Brown University, Sc.B. *Neuroscience*, 3.79/4.0 GPA   Providence, RI | **Graduated May 2023**

Relevant Courses**:** CLPS 0950:Intro to Programming, NEUR 1930J:C2S From Concept to Startup- Translating Neurotechnology

Projects

Longitudinal tracking of vascular properties in AD using OCT, *Co-author*   **SPIE Proceedings** | March 2022
- Showcased innovative Optical Coherence Tomography techniques to measure vascular alterations, aiding in the tracking of Alzheimer's disease progression in the brain

Experience

School of Medicine - Kyung Hee Univeristy Hospital, *Intern*   Seoul, South Korea| June-August, 2018
- Shadowed multiple professors of a variety of fields(Radiology, Internal Medicine, General Surgery) and attended conferences with presentations by fellow students about the latest medical developments

Second Foundation Partners, *AI/ML Engineer, Data Analyst, Software Engineer*   Westport, Connecticut| March 2023 - Present
- Developed and implemented AWS serverless inference pipelines, significantly optimizing resource utilization and cutting server costs
- Engineered a comprehensive model training workflow: Established a database for training data, utilized Prodigy for data annotation, and trained a SpaCy model for sophisticated natural language processing tasks
- Created an efficient process to integrate Prodigy data with AWS, harnessing GPU capabilities for enhanced model training efficiency
- Analyzed financial data using SQL to discern market trends and developed insightful D3 visualizations

Research Experience

leelab.ai, *Research Assistant*   Providence, RI| June 2020 – January 2022
- Trained and analyzed AI dataset for recognizing and modeling three dimensional blood vessels
- Manual quantification of amyloid beta plaques using BSS

Skills & Interests

Technical Skills:
    Programming Languages:
        -Proficient in Python, JavaScript, TypeScript
        -Experienced in SQL for creating and managing databases
    Web Development:
        -Experienced in using React for building dynamic and responsive user interfaces
    Cloud Computing:
        -Experienced with AWS services, including SageMaker, S3, and serverless architecture
        -Proficient with Docker for containerization
    Natural Language Processing (NLP):
        -Implemented complex NLP techniques using libraries like spaCy and Prodigy for training AI models
    Data Visualization:
        -Capable of creating insightful data visualizations using libraries like matplotlib in Python, and D3.js

Personal Projects:
    View a portfolio of my coding projects at https://bryanpark98.github.io

Language: Korean, English

Interests: Violin, Bouldering, Speed cubing