

# 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

## Experience

**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

## 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

## 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

**Language:** Korean, English

**Interests:** Violin, Boulderling, Speed cubing