

ARAMIS SUBEE

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EDUCATION

Massachusetts Institute of Technology (MIT)

Partial MEng in Computer Science; GPA: 4.5

August 2020 - February 2021

B.S. in Computer Science; GPA: 4.4

September 2016 - June 2020

Relevant Coursework: Grad Level Machine Learning, Meta Learning, Elements of Software Construction, Advanced Algorithms, Computer Systems Engineering, Probability and Statistics, Linear Algebra

SKILLS

Programming Languages

Python, C++, Java

Libraries

Pandas, NumPy, scikit-learn, PyTorch, Matplotlib

Services

AWS S3, AWS Sagemaker

EXPERIENCE

MIT CSAIL

August 2020 - February 2021

Graduate Researcher

Cambridge, MA

- Explored automation of image preprocessing to raise OCR accuracy on images of low quality.
- Implemented three Neural Architecture Search algorithms in PyTorch to find optimal preprocessing pipeline.
- Delivered superior OCR solutions to sponsor companies and iterated based on their feedback.
- Supervised three undergraduates to facilitate their growth as engineers and researchers.

ASSETT Inc.

June 2020 - August 2020

AI Intern

Manassas, VA

- Built classification models in scikit-learn to continuously authenticate users based on their typing patterns.
- Models achieved near perfect accuracy, validating the concept as a potential product for the company to pursue.
- Mentored intern on machine learning basics and supervised his project on motion prediction for ships.
- Cleaned messy network traffic data in Pandas to better detect anomalous attacks.

PROJECTS

Extending Plan to Explore

August 2020 - December 2020

Group Member

Cambridge, MA

- Extended reinforcement learning model from "Plan to Explore" to handle goal-conditioned tasks in PyTorch.
- After unsupervised exploration, model reached goals on multiple OpenAI gym environments in a zero-shot manner.
- Obtained superior sample efficiency compared to other common model-based approaches.