

EUIJUN CHOI

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EDUCATION

Georgia Institute of Technology
BS Computer Science *GPA: 4.0/4.0*

Atlanta, GA
Aug 2019 - May 2023

WORK EXPERIENCE

Stripe

Software Engineering Intern, RadarML

Seattle, WA
Jan 2022 - Apr 2022

- Migrated and performed feature updates to two deep learning models that detect various payment frauds in Stripe transactions, which led to a significant infrastructure cost-saving and a noticeable performance increase in one of the models
- Performed mRMR feature selection algorithm on model feature sets and produced top K features that are most important to the model's performance
- Updated the training dataset generation and model deployment logic to account for the model migrations

Amazon

Software Development Engineer Intern, Herd

Seattle, WA
May 2021 - Aug 2021

- Worked in Herd team, which is a workflow-orchestration engine that powers critical Amazon functions like order processing, fulfillment center operations, Alexa backend and many more
- Converted an inefficient Herd metrics publisher (HMP) into a low-latency workflow system, which allowed Herd to publish faster and provide better visibility to clients' workflows, especially for Alexa data internal client which the previous HMP had trouble keeping up with its data size
- Developed a new Amazon service for HMP from the ground up; used Java with Herd engine API to make the system and used AWS ECS instances to create and manage the environments

U.S. Express

Intern

Virtual
June 2020 - Aug 2020

- Analyzed deadhead common routes by compiling trip legs, comparing truck and load balances and RPTM at various zones using Python, Pandas, Numpy and Cartopy
- Suggested new routing system that was implemented and conserved company's revenue

Georgia Tech Research Institute

Undergraduate Researcher

Atlanta, GA
Aug 2019 - May 2020

- Dockerized a binary packer identification system that will be deployed at GTRI Apiary which receives about 100,000 malwares a day
- Created a Celery worker system with a frontend hosting REST API structured with RabbitMQ and MongoDB
- Using Python, created a filtering system for memory dumps that filters out irrelevant information of the binary such as windows loader

PROJECTS

Tennis Ball Tracking Drone *Python*

Apr 2019

- Programmed a DJI drone to track a tennis ball using Python and Tello SDK
- Fed the video input HSV values through OpenCV Cascade Classification
- Using image coordinates, the drone adjusted its position through Tello SDK commands

Linear, Multi-variable, Logistic Regression Models *Python*

Dec 2018

- Converted various mathematical regression equations into a trainable Python model using Numpy
- Tested the model on Kaggle's Titanic data and predicted the survival rate of each passenger

SKILLS

Python, Java, C++, Scala, SQL, Git

AWARDS

Scholastic Art Awards National Silver Medal, Assistant Concertmaster at New York Youth Symphony