

John Guo

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johnng149.github.io/ProjectPage/

EDUCATION

Cornell University, College of Engineering, Ithaca, NY

Expected May 2024

Bachelor of Science, Computer Science. Dyson Business Minor for Engineers.

Relevant Courses: Discrete Structures, Object-Oriented Programming and Data Structures

RELEVANT EXPERIENCE

Lockeed Martin, Owego, NY, College Student Tech

June-Aug. 2021

- Migrated Access applications to OpenShift .NET web application with Angular frontend in team project
- Used Domino Data Lab to create document scanning machine learning system with web frontend using Flask

Lockeed Martin, Owego, NY, College Student Tech

June-Aug. 2020

- Developed .NET web apps with a team to replace old applications and deployed web app to PCF

Lockeed Martin, Owego, NY, Highschool Student Tech

June-Aug. 2019

- Migrated old web applications to .NET
- Implemented PowerShell scripts to automate sharing of data between SharePoint and AWS

Lockeed Martin, Owego, NY, Highschool Student Tech

June-Aug. 2018

- Created PowerShell scripts to synchronize EC2 instance tags between SharePoint and AWS
- Made visualizations of network performance in Tableau

PROJECTS

Sentence Similarity AI

June 2021

- Used Tensorflow and Huggingface Transformers to create an AI model that can recognize contradictions or similarities in two given sentences
- The model can be loaded into memory in a few seconds and takes about 0.9 GB of RAM

MNIST GAN

April 2021

- Created a custom deep convolutional neural network in Tensorflow that learns to draw handwritten numbers

Paragraph Rater Model

July 2021

- With ALBERT from Huggingface Transformers as the base, a custom classification layer was attached to determine if given passage resembles that of other authors in training dataset
- Runs approximately five times faster than the Sentence Similarity model

SPECIALIZED SKILLS

Programming Languages: Python, Java, C#, Javascript

Computer Skills: Tensorflow, Domino Data Lab, .NET Core, Flask, HTML

Languages: Chinese (Intermediate)