Aiden Grey Fertich

Summary

Computer science student at the University of Pittsburgh with a passion for computer vision and applied machine learning.

Education

2018-08 - 2022-04

University of Pittsburgh, Bachelor's, Computer Science

Minor: Statistics

Cumulative GPA: 3.95

Graduation: April 2022

Courses: Deep Learning, Algorithms, Operating Systems, Data Structures, Discrete Math, Computer Organization and Assembly Language, Systems Software, Calculus I & II, Linear Algebra, Statistics

Experience

2020-06 - 2020-08

Software Engineering Intern

JPMorgan Chase & Co.

- Working under Commercial Banking (CB) line of business.
- Working with JPMorgan Chase Tech For Social Good program to develop technology to allow an educational nonprofit to deliver lessons virtually to students during COVID-19 pandemic.

2019-05 - 2020-04

Software Engineering Intern

SAP

- Led development of Python application to consolidate project proposals for all Pittsburgh management teams.
- Designed and built website using JavaScript and SAPUI5 to track consultant utilization.
- Took multiple site visits to work with clients on database migration.

2018-12 - 2019-04

Undergraduate Researcher

University of Pittsburgh

- Analyzed and modeled atomic images of ultra-pure diamond for cubit localization through dirt and noise.
- Worked with graduate researchers to develop an efficient image processing algorithm, saving hours of time per sample.

Projects

Image Captioning

- Designed CNN and RNN to automatically generate image captions.
- Trained on COCO dataset, allowing model to create captions for complex and diverse ranges of images.

Facial Key-point Detection

- Designed CNN to recognize faces and pinpoint 68 unique key-points along the face.
- Used key-points to apply filters such as sunglasses or hats to faces.

Personal Info

E-mail

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Phone

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GitHub

github.com/greyfertich

WWW

greyfertich.me

LinkedIn

www.linkedin.com/in/greyfertich/

Interests: Deep Learning, Machine Learning, Computer Vision, Reinforcement Learning, Software Engineering

Languages: Python, Java, C, JavaScript, HTML, CSS

Frameworks: Tensorflow, Pytorch, Pandas, NumPy, Scikit-Learn, Matplotlib, Git, Jira, Bitbucket

Clubs/Organizations

University Honors College

Pitt Men's Rugby

Phi Sigma Pi Honors Fraternity

Computer Science Club

Data Science Club

Certificates

Google TensorFlow Developer Certificate

Udacity Computer Vision Nanodegree

Neural Networks and Deep Learning (Coursera License YB76B44WN4GZ)

Stanford University Machine Learning (Coursera License VUQMK4PPCEYG)

Improving Deep Neural Networks: Hyperparameter tuning, Regularization, and Optimization (Coursera License FXJGQKLF8C49)

Convolutional Neural Networks (Coursera License PKUYTX6LWSM8)