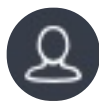




# Aiden Grey Fertich



## Personal Info

### E-mail

greyfertich@gmail.com

### Phone

(717) 344-7477

### 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)



## 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.
- Led team of interns through 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.
- Gained database migration experience through site visits with clients.

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.