Arseniy Chertov

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EXPERIENCE

Tessonics Inc., Windsor, ON— *Machine learning intern*

May 2021 - April 2022

- Optimized post process semantic segmentation system which determined the quality of resistance spot welds
- Developed algorithm to evaluate model performance
- Improved model accuracy of UNet and DeepLab for post process semantic segmentation system
- Skills: Python, Keras, Tensorflow, numpy, OpenCV

University of Windsor — *Research assistant*

May 2022 - Present

- Involved in the implementation of new state of the art semantic segmentation architecture vision transformer
- Created model output refinement algorithm to detect and fix defects where the AI struggled.
- Skills: Python, Keras, Tensorflow, numpy, OpenCV, Pandas,

EDUCATION

University of Windsor — *Business and Computer science*

September 2019 - April 2023

Completed 4 year program to acquire a business degree with a specialization in finance along with a general computer science. Completed the program with Honors.

PROJECTS

Tkinter GUI

Developed a Tkinter GUI to assess and fix up model predictions that the AI system struggled to accurately produce segmentation masks for.

Skills: Python, Tkinter, OpenCV, numpy, OOP

Personal website

This is the website you are currently viewing ! It contains information about my interests, experiences and education.

Skills: HTML, CSS, Bootstrap

Interest outside of University

- Learning concepts in finance and statistics

AWARDS

- Odette school of business entrance award valued at $6500
- Benson FinServ–sunlife Award valued at $1200

LANGUAGES

- Python
- Java
- C/C++
- HTML
- CSS

Coursework

- OOP
- Data structures
- Linear algebra
- Statistics