Timothy Kamoua

Junior Year (B.S.E)
Computer Science & Engineering
at University of Michigan
GPA: 3.751

University of Michigan, Ann Arbor
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Links

Github:// **tkamoua**
LinkedIn:// **Timothy Kamoua**

Skills

OS
Windows, Linux

LANGUAGES
C/C++, Python, MatLab

OTHERS
Numpy, Pandas, Tensorflow, Git,
VS Code, VS Studio
Adobe Illustrator, Photoshop

Coursework

Computer Vision (EECS 442)
Statistical Computing (Stats 306)
Data Structures & Algorithms (EECS 281)
Computer Organization (EECS 370)
Discrete Mathematics (EECS 203)
Linear Algebra (Math 214)

Education

2018-2022
B.S.E IN CS
University Of Michigan
CGPA : 3.751/4.0

2014-2018
HIGH SCHOOL
Ward Melville High School, NY
Percentage: 95%

Experience

09/2018-NOW **University of Michigan Solar Car** **Software Developer**
Develop and maintain software critical to World Solar Challenge. Projects : Solar Car Race Simulator (C++), CloudMap (Django/Python/JavaScript), Weather Prediction(MATLAB)
C++, Python, Pandas, Numpy, Django, Matlab

06/2020-08/2020 **Coding4Youth** **Online Computer Science Instructor**
Instruct K-12 students in C++ and Python during weekly online one-on-one sessions Develop lesson plans, create suitable challenges, and adjust pacing of the course based on student understanding and proficiency
C++, Python, Tkinter, Online Teaching,

09/2017-08/2018 **SBU Optoelectronics Lab** **Volunteer Lab Assistant**
Contributed to Stony Brook University Optoelectronics research through design and implementation of single beam photometer apparatus
CorelDraw, 3D Printing, Soldering

Achievements/Awards

2020-NOW **UM Honors Program** **Member**
Accepted into the University of Michigan Honors Program

2018 **University Honors/Dean's List** **Member**

2018 **National Merit Scholarship Commended Student** **Member**

2017-2018 **AP Scholar with Distinction** **Member**

Side Project

AUGUST 2020 **Deep Learning Specialization (deeplearning.ai)** **Python, TensorFlow**
5 Course Specialization - Learned foundations of Deep Learning and about CNNs, RNNs, LSTM, Adam, Dropout, BatchNorm, Xavier/He initialization, and more. Implementing projects using Python and in TensorFlow.

AUGUST 2020 **Esports Game Prediction** **Python, Numpy, Pandas, Scikit-learn**
Used logistic regression to predict outcomes of esports competitive games with 88% accuracy and 0.86 F1 score.

JULY 2020 **Machine Learning Online Course (Coursera - Stanford)** **Matlab**
Learned fundamentals of Machine Learning including linear/logistic regression, neural networks, supervised/unsupervised learning techniques, and more