

# 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, HTML/CSS  
OTHERS  
Numpy, Pandas, Tensorflow,  
Git, VS Code, VS Studio  
Adobe Illustrator, Photoshop,  
BeautifulSoup4

## 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-CURRENT **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 **Engineering Honors Program**  
Inducted into University of Michigan Engineering Honors Program  
2018-2018 **University Honors/Dean's List**  
2018-2018 **National Merit Scholarship Commended Student**  
2017-2018 **AP Scholar with Distinction**

## Side Project

08/2020 **Deep Learning Specialization** **Python, TensorFlow**  
5 Course Specialization from deeplearning.ai - Learned foundations of Deep Learning and about CNNs, RNNs, LSTM, Adam, Dropout, Batch-Norm, Xavier/He initialization, and more. Implementing projects using Python and in TensorFlow.

08/2020 **Esports Game Prediction** **Python, Numpy, Pandas, BS4**  
Web scraped data using BeautifulSoup4 and used logistic regression to predict outcomes of esports competitive games with 88% accuracy and 0.86 F1 score.

07/2020 **Machine Learning Online Course** **Matlab**  
Learned fundamentals of Machine Learning including linear/logistic regression, neural networks, supervised/unsupervised learning techniques, and more from online course by Stanford on Coursera