

Ethan Bonnardeaux

 (647) 389-6691  ethanbonnardeaux@gmail.com  eth212  ethan-bonnardeaux-18676a178

Skills

- Python (proficient) : Pandas, Matplotlib, Keras, CV2
- JavaScript (proficient) : Node, Express, React
- HTML
- CSS
- C/C++ (proficient)
- VBA (previous experience)

Education

Queens University

Kingston, Ontario

Applied Mathematics Engineering

September 2018 - Present

Computer and Communications option

Projects (GitHub)

Machine Learning

Developed a model to predict the number of houses in a postal code using satellite imagery.

Trained on over 700,000 images collected from google cloud API.

Project was supervised and assessed by Winston Li (ex head of data science PWC).

Shape Recognition

Individually conceptualized and created a new approach to geometric shape recognition using inner radial symmetry. Found center of each shape, by using image moment equations. Analyzed data to determine best strategy for point classification of the image contours. Developed functions including algorithm to find minimum points on a graph.

Web Development

Created a personal website routed using HTML, CSS, JavaScript and Express

Experience

Queen's Space Engineering Team

September 2018 - January 2019

Learned basic Python and C++ programming techniques

Introduced to microcontroller processor programming

City of Toronto Lifeguarding

March 2018 - Present

Responsible for surveying assigned area and ensuring the safety of all patrons

Fiesta Farms

April 2017 – August 2017

Responsible for cleaning store, stocking produce and customer support