

Keith Estrella

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PROJECTS & EXPERIENCE

Master Thesis Project

September 2020 – May 2021

“The Optimization of Facial Detection”

- Familiarizing with the tools and resources for creating a pipeline for a facial detection machine learning algorithm, from a perspective of a beginner in machine learning.
- Experience with using Detectron2, Darknet and DETR Neural Network frameworks.
- Experience with Google COLAB and Python.
- Experience with image labelling tools and annotations.

Class Website

January 2020 – May 2020

Programming In Unix/Linux

- Creating a personal website on Kean University’s School Server for class projects and homework.
- Experience with Unix/Linux, PHP, HTML, CGI, Apache, MySQL, Python, Java, and C++.
- Final project creates a shop website with an item database and a user/staff login system. Users can make transactions and receive a receipt via email and staff are able to update the items and manage user information.

EDUCATION

Kean University

September 2020 – May 2021

MS, Science & Technology: Computer Science & Engineering

Union, NJ

- Graduated with a 3.6 GPA.
- Presented Master Thesis titled “The Optimization of Facial Detection”.

Kean University

September 2016 – May 2020

BS, Science & Technology: Computational Math

Union, NJ

- Graduated Cum Laude with a 3.5 GPA.
- After 1st year swapped from Biotechnology Degree to pursue Computer Science Degree.

Marist High School

September 2012 – June 2016

Diploma

Bayonne, NJ

- Junior to Senior Year, helped developed and maintain the Marist Phone Application.

SKILLS & INTERESTS

Programming Languages

- **Proficient in:** Python, HTML, PHP, SQL, Java
- **Experience with:** JavaScript, Ruby, CSS, C, C#, C++, MATLAB, R

Development Environments

- **Proficient in:** Eclipse, NetBeans, Visual Studio, Spyder

APIs/Frameworks

- **Proficient in:** Microsoft Office, GitHub, Linux/Unix
- **Experience with:** Git, Pytorch, OpenCV

Skills: Adaptability, Good Communication, Personal Accountability, Problem Solver

Interests: Video Game Programming; Tennis; Computer Building; Reading; Fantasy Games/Stories