

RYAN Y. PAIK

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(650) 291-8121

EDUCATION

St. Mark's School, High School Diploma expected Sept. 2017-June 2020
Activities: Design Team for the FIRST Robotics Team, 2017.
College Tour Organizer for Sustainable Buildings for St. Markers, 2018-2019.

Cardigan Mountain School, Canaan, New Hampshire Sept. 2016 -June 2017
Transferred from Dwight School Seoul for 9th Grade.

EXPERIENCE

Swingology, Los Angeles, CA Aug. 2019-Sept. 2019
Summer Intern. Interned for a startup developing an "intelligent" computer vision data processing system for baseball swing analysis. Took Stanford's Andrew Ng's Machine Learning Class, crash courses on multivariable calculus and linear algebra online to understand deep neural networks. Ran through WUSTL professor Jeff Heaton's Python and Machine Learning to acquire a basic understanding of Keras, Tensorflow, Python, and Jupyter Notebooks. Tasked to experiment on adding object identification and tracking to a prebuilt pose prediction model, such as Posenet and Densepose. Created documentation and code snippets to integrate Tensorboard and Debugger plugin to provide visualization of training results. Researched learning transfer and code snippets for Keras to apply learning transfer.

National Student Leadership Conference at Yale University, New Haven, CN Aug. 2019
Nominated to participate in the NSLC, chose the Engineering Program at Yale. Learned from leaders in the field of engineering about the latest challenges being addressed by engineers. Listened to author Joel Hilchey speak and participated in the underwater ROV team competition.

Sustainability XDesign at Northwestern CTD, Evanston, IL July 2018-Aug. 2018
Sustainability XDesign: Design Challenge 2018 with the Chicago Architecture Foundation. Learned about design as a collaborative process. Researched, designed and built a model for our C40 Reinventing Cities team project. Voted one of the top two designs in the class. Inspired to organize similar learning tours for sustainable buildings at Yale and Brown for St. Markers.

SKILLS Working knowledge of Java, Python, and C++. Basic knowledge of Keras, Tensorflow and Jupyter Notebooks. Fluent in Spoken Korean. Conversant in Latin.

AWARDS 2nd Place Team for Cornell University High School Programming Contest, April, 2019.
Bronze Level for USA Computing Olympiad (USACO), November, 2018.
Semifinalist for local FIRST Robotics Competition, December, 2017.
Finalist in Cardigan Mountain School's Annual Spelling Bee, April, 2017.
SSAT Advisory Board, August, 2016.

HOBBIES Foodie traveling to over 55 countries around the world.
<https://github.com/ryanpaik2002/travel-log>
Enjoy designing, singing, fishing and playing tennis and golf.
<https://github.com/ryanpaik2002/Ryan-Paik-a-Sketch-Pad>