Yichen Yao

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EDUCATION

Columbia University, School of General Studies, New York, NY
Bachelor of Arts in **Computer Science**   Expected May 2021
- Concentration in **Machine Learning**
- Coursework: Machine Learning(ML), Natural Language Processing(NLP), Artificial Intelligence(AI), Data Structures and Algorithms, Advanced Programming, Linear Algebra, Discrete Mathematics

SKILLS

- **Languages:** Python, Java, C, C++, HTML/CSS/Javascript, Bash
- **Tools:** Bootstrap, Microsoft Office, Outlook, Word, Excel, Powerpoint

PROJECTS

Neural Model for Image Classification   September 2020 **-** Present
https://github.com/yichen-yao/image-classifier
- Developed a model using computer vision that analyzes images of handwritten digits and trains the model to classify each image with a **97% accuracy rate**.
- Created a Convolutional Neural Network(CNN) with a Convolutional layer, Maxpool layer, and a Dense layer.
- Implemented using Python, Tensorflow, Keras, and Jupyter Notebook.

WORK EXPERIENCE

New York Presbytarian Hospital
Communications Specialist   April 2020 - May 2020
- Developed a new set of standard operating procedures designed to support site operations.
- Created multiple spreadsheets for organizing team scheduling and contacts.

The Mission Continues
Marketing Analyst   July 2017 - January 2018
- Increased the existing client base by over **20%** within a six month period through expanded social media campaigns, community outreach, and relationship building.
- Recruited small businesses from sectors whose business model supported the organization's core values.

United States Marine Corps
Team Leader   October 2014 - February 2016
- Supervised a 10-person team of Marines in basic military skills in preparation for worldwide deployment.
- Mentored junior Marines in leadership, personal development to help improve unit morale.
Motor Transportation Chief   July 2014 - February 2016
- Instructed, trained, and licensed over 30 entry level personnel in vehicle basics within an 18 month period.
- Coordinated projects between multiple teams to ensure each team had the proper transportation as needed.