|  |  |  |
| --- | --- | --- |
| 601 West 137th Street, Apt 45  New York, NY 10031  (929)-318-8920 | **Patrick Kwon** | yk2805@columbia.edu  https:/github.com/yj7082126 |

**EDUCATION**



**Columbia University** **New York, NY** **Expected Dec 2019**

*Master of Science, Data Science, GPA: 3.9/4.0*

Classes: Algorithms for Data Science, Machine Learning for Data Science, Database Systems, Statistical Inference, Image Analysis.

**University of Virginia** **Charlottesville, VA** **Aug 2015 – May 2017**

*B.A. in Computer Science & Statistics (Econometrics Concentration), GPA: 3.8/4.0*

Courses: Database Systems, Data Analysis w/ Python, Mobile App Development.

Awards: Dean’s List (4 out of 4 semesters), UVA Order of the Orange Stole.

**DATA SCIENCE PROFESSIONAL EXPERIENCE**



**Bluehole Studio** **Data Analyst** **Jun 2017 – July 2018**

Provided data-centered insight for business decisions*(Tools Used: Python, R Studio, C#)*

* + Provided +20 data analysis papers on TERA, Bluehole Studio’s leading MMORPG Title.
  + Upgraded the company’s former Business Intelligence system.

*Project #1: Tera Reader* Dec 2017

* Implemented web scraping and natural language processing skills to collect data from different video game community websites and to generate a clear picture of video game trends. Helped developers on making future game update decisions.

*Project #2: World Map* Feb 2018

* Created a data visualization tool that involved locating user positions in online video games real time.
* Later upgraded to detect current & potential in-game hackers of MMORPG Games.

**University of Virginia** **Teaching Assistant** **Aug 2016 – Dec 2016**

Class: Discrete Mathematics.

**DATA SCIENCE RESEARCH & PROJECTS**



**Pally**  **Columbia University**  **Dec 2018**

Project on improving social skills for autistic children using Augmented Reality (w/ Hololens) and 5G Network.

* + Focused on using computer vision and natural language processing to help autistic children understand the behavior of others.
  + Awarded as a winning project for Verizon 5G EdTech Challenge .

**Resc You** **Columbia University**  **Sep 2018**

Project on using Facial Recognition to contact people with needs during emergency situations, using IBM Cloud.

* + Focused on developing an application that identifies registered personnel from pictures taken from mobile devices, for easy guidance during emergency situations.
  + Awarded 1st place on IBM Call for Code Columbia Hackathon

**TECHNICAL SKILLS & TRAINING**



**Technical Skills**

Web Scraping, Natural Language Processing, Computer Vision, Machine Learning

Python (Scipy, Tensorflow, Keras), Java, R Studio, MySQL, C++, C#

**Additional Coursework**

Coursera: Machine Learning (Aug 2017), Neural Networks and Deep Learning (Sept 2018), Structuring Machine Learning Projects (Oct 2018), Convolutional Neural Networks (Jan 2019)