# Xinyu (Ivy) Li

110 River Drive, Jersey City, NJ 07310 • 718-406-6863

xl2363@columbia.edu • linkedin.com/in/ivyleexy

## EXPERIENCE

**Studio Xolo**                                                                          Jersey City, NJ

*Founder*                                                                          Sept 2019 - Current

- Providing AI consulting services.

**Phiar Technologies**                                                             Redwood City, CA

*Cofounder*                                                                        June 2018 - Aug 2019

*Chief Technology Officer*                                                         Nov 2018 - Aug 2019

- Raised seed round funding of $2.5 million.

- Transitioned team to agile development processes, made several key hires, managed six engineers.

- Improved efficiency of driving scene semantic segmentation model, reduced latency by more than 50% and increased accuracy by 10%, achieved more than 30 frames per second on iOS devices.

- Developed an efficient driving lane instance segmentation deep neural network in PyTorch, deployed on iOS devices.

- Filed 3 patents in areas of augmented reality, computer vision and machine learning.

*Chief Data Scientist*                                                             June 2018 - Oct 2018

- Developed an efficient driving scene semantic segmentation deep neural network using PyTorch, deployed model on iOS devices using CoreML.

- Participated in Y Combinator 2018 summer batch.

**Shutterstock Inc.**                                                                    New York, NY

*Data Scientist*                                                                    Jan 2015 - May 2018

- Led design and implementation of image auto-tagging feature in computer vision REST API service in Python, which improved weekly content submission by 62% on iOS platform and 70% on Android platform.

- Productionized cloud-based computer vision stack v2, which offers significant improvement in relevancy for similar image search, reverse image search and image auto-tagging for more than 100 million images.

- Developed an algorithm in Python to cluster visually similar new images, which won company-wide hackathon in 2016.

- Created Python REST API backend for a Chrome plugin prototype which allows users to find visually similar images on Shutterstock from any image on a website, which won company-wide hackathon in 2017.

- Implemented ranking model training data pipeline in Apache Spark with Slack and email notifications.

**Truveris**                                                                             New York, NY

*Data Scientist*                                                                    Aug 2014 - Jan 2015

- Developed Truveris National Drug Index, a volume weighted price index summarizing the average price of prescription drugs in the US over a period of time.

**Socure**                                                                               New York, NY

*Data Scientist*                                                                    Jan 2014 - July 2014

- Researched and implemented low latency face similarity comparison algorithm in Socure's identify verification REST API service written in Java/Scala.

## EDUCATION

**Columbia University**                                                                  New York, NY

MA in Statistics                                                                            Feb 2014

**Guangdong University of Foreign Studies**                                        Guangzhou, China

BS in Mathematics and Applied Mathematics                                                   May 2012