

## Xudong Liang (Brandon)

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<https://www.linkedin.com/in/xudong-brandon-liang>

### EDUCATION

#### Columbia University

New York, NY

*Master of Science in Computer Science, NLP Track*

*August 2019-December 2020*

- GPA: 3.75
- Coursework: Machine Learning, Natural Language Processing, Operating System, Analysis of Algorithm, Advanced Spoken Language Processing, Practical Deep Learning System Performance, Speech Recognition, Cloud Computing

#### Davidson College

Davidson, NC

*Bachelor of Science in Mathematics, Minor in Computer Science*

*August 2013-December 2016*

- Major GPA: 3.6 *Cum Laude*

### RESEARCH

#### Columbia DVMM Lab

New York, NY

Research Assistant

September 2020-January 2021

- Retrieval-Augmented Generation on GPT2-based Vision-Language Transformer for Schema Induction

### WORK EXPERIENCE & INTERNSHIP

#### Bloomberg L.P.

New York, NY

AI Research Scientist & Software Engineer

February 2021-Present

- AI infrastructure (Server-less inference hosting) & NLP @ Bloomberg AI Group
- Programming Language: Python (modeling) & C++ (infrastructure & back-end)
- Tech Stack: Kafka, Kubernetes, Jenkins, Transformer, Scikit-Learn, PyTorch

#### Columbia University

New York, NY

Course Assistant

September 2020-December 2020

- Graded homework and project assignments, held weekly office hours and answered student questions for COMS 6998 Practical Deep Learning & System Performance for Professor Parijat Dube during Fall 2020

#### Amazon

Cambridge, MA

Applied Scientist Intern

June 2020-September 2020

- Transformer-based (BERT) Multi-Tasked Dialog State Tracking research @ Alexa AI-Natural Understanding
- [Presentation](#) at the Closing Ceremony of [2020 JHU JSALT Workshop](#) - [Chat/Dialogue Modeling and Evaluation](#)

#### Tresata

New York, NY

Solutions & Data Engineer

February 2017-April 2019

- Automated end-to-end data solutions for financial institution clients (e.g.: HSBC) using Hadoop, Spark, Scalding, Scala and proprietary data profiling, entity resolution & interactive front-end software powered by Elasticsearch
- DevOps: Quality Assurance in Production, Software (Solution) Upgrade in CI/CD & Vendor Support

### PORTFOLIO

GITHUB

<https://brandonliang.github.io/portfolio.html>

<https://github.com/BrandonLiang>

### SKILLS

- **Programming Language & Technical Skill:** Python (PyTorch, Hugging-Face Transformers, Keras, Scikit-Learn, Pytest, Pandas, PySpark, Numpy, Matplotlib, NLTK, Gensim, etc.), Vim, Git, Github, Linux Bash, Kafka, Kubernetes, Kubeflow, Knative (KFServing), IaaS, Jenkins (CI/CD), SDLC, MDLC, Agile (Scrum), Jira, C++, Hadoop, Spark, Splunk, Grafana, Docker, REST API, AWS, DynamoDB, Flask, MATLAB, Elasticsearch, Scala (Scalding), SBT, Java, JavaScript
- **Certified Scrum Master** by Scrum Alliance
- **Language:** Chinese (Mandarin)
- **Hobby:** Basketball, Soccer (Football), Photography