

Xudong Liang (Brandon)

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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

Machine Learning & Senior Software Engineer

February 2021-Present

- AI infrastructure (Server-less inference hosting) & NLP (Automated information extraction) @ Bloomberg AI Group
- Programming Language: Python (modeling & micro-service) & C++ (infrastructure & service back-end)
- Tech Stack: Kafka, Kubernetes, Jenkins (CI/CD), Transformers (Hugging Face), 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