

**Xudong Liang (Brandon)**  
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## EDUCATION

### Columbia University

*Master of Science in Computer Science*

New York, NY

August 2019-December 2020

- GPA: 3.75

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

### Davidson College

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

Davidson, NC

August 2013-December 2016

- Major GPA: 3.6 *Cum Laude*

## WORK EXPERIENCE & INTERNSHIP

### Bloomberg L.P.

Machine Learning Engineer

New York, NY

February 2021-Present

- Information extraction on financial documents (NLP) & Server-less hosting (Inference)
- MDLC: optimize model performance through data curation, training, evaluation and tuning
- SDLC: scale solutions into high-precision and low-latency production systems
- Quality Assurance (QC) of product implementations through monitoring, enhancement, testing and CI/CD
- Programming Language: Python & C++
- Tech Stack: Kafka, Kubernetes, Jenkins (CI/CD), Scikit-Learn, PyTorch

### Amazon

Cambridge, MA

Applied Scientist Intern

June 2020-September 2020

- Project: Multi-tasked task-oriented dialogue state tracking @ Alexa

### Tresata

Data Engineer

New York, NY

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

### Tresata

Solutions Engineer Intern

Charlotte, NC

June 2016-August 2016

- Trained on Hadoop Eco-system and Hadoop Distributed File System (HDFS) in command line environment (bash scripting, vim editing), MapReduce and functional programming language, Scala (e.g. Scalding)
- Project (Solutions Engineer): Analyzed the effectiveness of Consumer Finance Protection Bureau (CFPB) on consumer finance (mortgage) using HDFS and internal software

## PORTFOLIO

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

GITHUB

<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