

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

- Automated Newsroom information extraction (NLP) & Server-less hosting (Inference)
- System design and framework implementation to scale solutions into high-precision and low-latency software product
- Maintaining quality assurance (QC) of product implementations through enhancement, monitoring, testing and CI/CD
- Contributing to firm-wide Software Development Life Cycle (SDLC) practice to promote growing efficiency
- Programming Language: Python & C++
- Tech Stack: Kafka, Kubernetes, Jenkins (CI/CD), Scikit-Learn, PyTorch

Amazon

Applied Scientist Intern

Cambridge, MA

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