

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: 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*

WORK EXPERIENCE & INTERNSHIP

Bloomberg L.P.

New York, NY

Senior Software Engineer

February 2021-Present

- Problem solving, system design & Implementation of high-quality software into resilient and scalable products (News Information Extraction)
- Programming Language: Python & C++
- Tech Stack: Kafka, Kubernetes, Jenkins, Transformer, Scikit-Learn, PyTorch

Columbia University

New York, NY

Research Assistant

September 2019-May 2020

- Collected and Analyzed politicians' speech data to study and predict charisma with Prof. Hirschberg

Tresata

New York, NY

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

Tresata

Charlotte, NC

Solutions Engineer Intern

June 2016-August 2016

- Trained on Hadoop Eco-system and Hadoop Distributed File System 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

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