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Xudong Liang (Brandon)

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EDUCATION

Columbia University   New York, NY
Master of Science in Computer Science   *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
- Designing and developing solutions for specific client needs and client-facing applications
- System design (API) and framework implementation (application) to convert best solutions into high-quality and highly-scalable software that powers a variety of Bloomberg terminal functions (e.g. News information extraction)
- Maintaining quality assurance (QC) of product implementations through enhancement, monitoring, testing and CI/CD
- Contributing to firm-wide Software Development Life Cycle (SDLC) documentation to promote growing efficiency
- 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   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 (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   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