

# Yuxuan He(Jennifer)

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## EDUCATION

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- **New York University** New York, NY
  - **Master of Science in Data Science** **December 2020**  
Natural Language Processing Track, Data Science and Software Service Award
- **University of Richmond** Richmond, VA
  - **Bachelor of Science in Mathematics and Computer Science** **Jan 2018**

## WORK EXPERIENCE

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- **4Paradigm** Beijing, China
  - **Product Manager** **Oct 2020 - Now**
    - Direct the product development of AutoML.ai: a platform support AI algorithm evaluation, QA testing, benchmarks, competitions and academic communication
    - Set up quality control framework (including datasets, evaluation metrics, computing resources) and oversee the QA testing process for AutoML algorithms to prepare algorithms for deployment
    - Conduct market and competitor research to develop product roadmap and execution plan including federated learning platform
- **Naspers Limited** New York, NY
  - **Data Scientist Intern** **Sep 2019 - Feb 2020**
    - Build FinBERT, a fine-tuned language model based on BERT specialized in financial domain
    - Built a multi-task language learner based on FinBERT to solve multiple NLP tasks in finance domain using Model-Agnostic Meta-Learning(MAML) method using **PyTorch**
    - Fine-tune language learner for Naspers' business and financial tasks and improve the benchmark performance on pre-defined set of tasks
- **NYU Center of Data Science** New York, NYU
  - **Research Assistant** **April 2019 - Feb 2020**
    - Implemented FairBench, a machine learning framework which supports data ingestion, custom feature transformation, data cleaning and reusing of fairness metrics and fairness enhancing strategies using **Python, ScikitLearn, IBM AIF360**
    - Conducted extensive experiments on state-of-art machine learning methods and fairness-enhancing methods on multiple datasets and summarized finding about resulting metrics measures in paper
- **NYU DS3 Initiative** New York, NY
  - **Product Manager Intern** **April 2019 - Now**
    - Designed and Built a database using Postgresql to store researchers project proposals and candidates information and an interface to support data transaction and retrieval
    - Built simple front end interface to interact with the database using Django framework
- **Linkedin Corporation** Sunnyvale, CA
  - **Backend Engineer Intern** **Jun 2016 - Sep 2016**
    - Designed an internal data logging tool that supported **securely logging, indexing, searching, storing, visualizing and analyzing** of billions of confidential data records distributed stored across multiple data centers using **Java**
    - Implemented the data logging tool and successfully reduced teams average time to detect error using **Couchbase, Kafka, Elasticsearch, Restli filters and Kibana dashboard**

## SKILLS

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- **Math and Statistical Skills:** Convex Optimization, Time Series Analysis, Statistics and Probability, Linear Algebra, A/B testing
- **Computer Skills:** Python(tensorflow, pytorch,scikit-learn), Java, R, Hadoop, Spark, SQL, ElasticSearch
- **Project Management Skills:** Project scoping and planning, Full-cycle project leadership