

Christopher D. Sciavolino

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Education

Princeton University, School of Engineering and Applied Science

Princeton, NJ

Master of Science in Engineering: Computer Science

Expected Spring 2021

Cumulative GPA: 4.00/4.00

Relevant Coursework: Natural Language Processing • Systems & Machine Learning • Distributed Systems

Research Interests: Open-Domain Question Answering • Semantic Information Retrieval

Teaching: Data Structures & Algorithms (3 semesters)

Cornell University, College of Engineering

Ithaca, NY

Bachelor of Science: Computer Science | Minor: Business

December 2018

Cumulative GPA: 3.68/4.00

Honors: Dean's List (6 semesters) • Meinig Family Cornell National Scholar • John McMullen Dean's Scholar

Teaching: Data Structures & OOP (5 semesters) • Introduction to Web Design & Programming (1 semester)

Industry Experience

Facebook Inc., Remote

June — August 2020

Software Engineering Intern on Search Community Quality & Explore

- ▶ Develop a PyTorch two-tower sparse neural network recommendation model using new feature signals
- ▶ Build a DAG-based data pipeline using Presto and SparkSQL to generate new features in a Hive table
- ▶ Train, test, and evaluate the recommendation model using both offline methods and online experiments

Airbnb Inc., San Francisco, California

May — August 2019

Software Engineering Intern on Trip Platform: Search Intelligence

- ▶ Develop a backend framework to serve datasets while minimally affecting uptime using Java and Airflow
- ▶ Provide an end-to-end solution from dataset generation in Airflow to in-memory or off-heap access in Java
- ▶ Address concurrency issues when asynchronously downloading dataset updates to subscribing services
- ▶ Support dataset versioning so users can easily create, update, or revert new changes quickly and reliably

Yelp Inc., San Francisco, California

January — April 2019

Software Engineering Intern on Yelp Connect

- ▶ Integrate into an Agile product team to develop a new full-stack web service using React.js and Python
- ▶ Team up with a full-time engineer to take a UI design concept from planning to production in 2 weeks
- ▶ Write a technical specification for a real-time ingestion pipeline to collect and process clickstream data

Projects

Scalable Music Streaming System Concept, Cornell University

January — May 2018

- ▶ Leveraged Spotify's developer API to stream music and generate individual feature vectors for songs
- ▶ Implemented a frontend system using Node.js, Express, JSX, and ml.js for a backend recommender model
- ▶ Stored authentication information and user interactions in a NoSQL database on Amazon DynamoDB

Technical Skills

Languages: Java • Python • JavaScript • PHP • HTML • CSS • Go • Swift • C • SQL • OCaml • Unix

Libraries & Frameworks: Git • React.js • PyTorch • Redux • d3.js • Node.js • Express • Flask