

KATHERINE FENG

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EDUCATION

Northwestern University | Weinberg College of Arts and Sciences

Evanston, IL

Bachelor of Arts | Double Major: Computer Science and Economics | GPA: 3.54/4.00

Anticipated Graduation: Jun 2023

Relevant Courses: Artificial Intelligence, Human-Computer Interaction, Discrete Finite Mathematics, Data Structures and Algorithms, Design and Analysis of Algorithms, Computer Systems, Practicum in Intelligent Information Systems

Skills: Python, JavaScript, Vue.js, HTML/CSS, Stata, Linux, Github, AWS Certified Cloud Practitioner, Mandarin

Interests: Skiing, hiking, traveling, classical music, Krav Maga, and good food

PROFESSIONAL EXPERIENCE

Amazon Web Services

Herndon, VA

Cloud Consultant Intern, Data and Machine Learning Team

Jun 2022 - Sep 2022

- Built and deployed a full stack web application using Python and Vue.JS that eliminates the manual process of reviewing legal documents, designed for AWS' Legal and Business Contracts teams
- Trained an NLP model to recognize non-standard clauses and perform metadata extraction within legal documents
- Worked extensively with AWS Lambda, Sagemaker, DynamoDB, S3, Amplify, and API Gateway

Northwestern University Kellogg School of Management

Evanston, IL

Research Assistant, Business Strategy

Dec 2021 - Jun 2022

- Collaborated with Professor Sara Moreira in her research of applied macroeconomics and industrial organization
- Migrated large datasets from AWS S3 bucket to on-premise database using AWS CLI
- Conducted data cleaning, aggregation, and analyses of each dataset using Stata and Jupyter Notebook

Research Assistant, Consumer Economics

Sep 2019 - Jun 2020

- Collaborated with Professor Maferima Touré-Tillery in her research of consumer behavior
- Developed 2 social experiments based on survey methods to investigate self-regulatory behaviors: healthy eating and charitable giving, where sample data was collected among 400 Northwestern students
- Analysis and write-up of both experiments were published in the *Journal of Consumer Research* and are currently being studied in Kellogg's *Marketing Research and Analytics* MBA course

CareCapital Partners

Shanghai, China

Business Analyst

Jun 2019 - Aug 2019

- Led analysis of international market competitors within the healthcare industry, such as Invisalign and Direct Smile Club while closely working with the team at Angelalign Tech; CareCapital's largest acquisition
- Implemented market survey to provide strategic advice for future product development and investments, including an outline of a potential expansion of Angelalign's consumer base outside of Asia

LEADERSHIP EXPERIENCE

FactFindr Project

Evanston, IL

Scrum Leader

Jan 2022 - March 2022

- Led a team of 4 in building a full stack web application to develop a search engine that returns the most relevant Wikipedia articles and passages according to the user query
- Developed an NLP algorithm that utilizes BM25 in Python to support entity extraction and question restructuring

GEP Northwestern Case Competition

Evanston, IL

Team Captain and 2021 Winner

April 2021

- Competed in a 2-week case competition to identify methods to counteract decreasing revenue for a third party logistics company
- Led a team of 4 to deliver 3 proposed solutions with an emphasis on sustainability, expanding into the ecommerce industry, and investing in dynamic routing technologies
- Developed a cost analysis of the estimated breakdown of upfront costs in order to calculate 5-year forecasted EBITDA and a net value of \$4.6B in fiscal year 2025

Northwestern University Symphony Orchestra

Evanston, IL

First Violin

Sep 2019 - Present

- Led the first violin section and performed in the Bienen School of Music's Holiday Concerts
- Organized group violin practice sessions aimed at focusing on difficult passages in course repertoire