

Amy Chen

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EDUCATION

Northwestern University, Weinberg College of Arts and Sciences

Evanston, IL

Bachelor of Arts in Statistics, Economics, and Mathematical Methods in the Social Sciences

Expected June 2020

- Relevant Courses: Data Science, Intro to AI, Statistical Computing, Linear Algebra, Multivariable Calculus, Game Theory
- Honors: Dean's List: 8/8 Quarters, Northwestern Mathematics Award, National Merit Scholar, AT&T OASIS Scholar

Harvard Business School

Boston, MA

Summer Venture in Management Program

June 2019

- A selective (~2% acceptance) and rigorous week-long program consisting of 14 MBA cases taught by renowned HBS professors

WORK EXPERIENCE

Flexport

Chicago, IL

Incoming Software Engineering Intern

September 2019 – December 2019

BlackRock

San Francisco, CA

Portfolio Analytics Intern

June 2019 – Present

- Constructed model in Python to classify ETFs and mutual funds by investment styles, saving 6+ hours per week in manual labelling
- Analyzed 30,000 fund investment objectives using a bag of words model to label funds by their intended strategies
- Designed an analytics tool that allows sales teams to identify and promote funds based on performance comparison to peers

Yelp

San Francisco, CA

Software Engineering Intern

January 2019 – April 2019

- Pioneered internal tool in Scala and Flink to calculate session metrics and publish to data streams, saving \$1.9 million annually
- Developed batch to load information from the data pipeline into the S3 data lake through Kafka for analysis by 500+ engineers
- Validated published session metrics by developing audit bots to visit business pages and designing unit and integration tests

Northrop Grumman

McLean, VA

Cyber Intern

June 2018 – September 2018

- Designed dependency parsing algorithm in Python to detect malicious indicators in cyber reports with a 70% precision rate
- Trained collocation (n-gram) algorithm in NLTK to form semantic relations in unstructured text, improving classification by 5%
- Calculated similarity scores between reports and user text input through mapping documents to vectors for 20,000+ documents

PROJECTS

Serif.nu

Evanston, IL

Front-end Developer

April 2019 – Present

- Developed a student-designed course registration website utilized by 7000+ (85%) undergraduates every term
- Collaborated on website using JavaScript (React) along with 4 other team members through weekly sprints

xterns.com

Evanston, IL

Co-Founder

November 2018 – Present

- Created a platform design to connect diverse, talented students from across the country to top employers through externships
- Built a fully responsive website using Flask and SQLAlchemy with 55,000+ unique visitors to date

Alphalytics

San Francisco, CA

Fullstack Developer

June 2019 – Present

- Designed a web application to display news and sentiments for equities using JavaScript (React) and Flask hosted on Heroku
- Pulled stock and news data from multiple APIs including Alpha Vantage and Stock News to display in dashboard

Arch Capital

Evanston, IL

Technology Developer

October 2017 – December 2018

- Created a website in HTML, CSS, and JS to improve client relations for a student group, increasing monthly traffic by 25%
- Designed mobile application to track muscle usage and workout routines for a wearable technology start-up for autistic youth

SKILLS & EXTRACURRICULARS

Languages / Technologies

(proficient) Python, R, HTML/CSS, SQL, Git (familiar) JavaScript, Scala, Java, Flink, Kafka

Libraries

Python (sklearn, pandas, seaborn, BeautifulSoup, gensim, nltk, Flask), JavaScript (React, jQuery)

Awards

Facebook Grace Hopper Scholar, Twitter First Flight, D.E. Shaw Nexus Fellow

Activities/Involvements

Rewriting the Code, Society of Women Engineers, Society of Hispanic Engineers, Lime Connect