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
- ACT: 35/36, Dean's List: 8/8 Quarters
- Relevant Courses: Data Science, Intro to AI, Statistical Computing, Linear Algebra, Multivariable Calculus, Game Theory

Harvard Business School   Boston, MA
Summer Venture in Management Program   June 2019 – June 2019
- A selective (~2% acceptance) and rigorous week-long program consisting of 14 MBA cases taught by renowned HBS professors

WORK EXPERIENCE

BlackRock   San Francisco, CA
Portfolio Analytics Intern   June 2019 – Present
- Constructed model to classify exchange-traded funds (ETFs) and mutual funds into categories based on their investment styles
- Tools/Technologies: Python, Pandas, NumPy, Scikit-learn, Seaborn, SQL

Yelp   San Francisco, CA
Software Engineering Intern   January 2019 – April 2019
- Pioneered internal tool to calculate session metrics then serialize and publish to data streams, saving $1.9 million in annual costs
- Developed batch to load information from the data pipeline into the data lake for analysis and usage by 500+ engineers
- Validated published session metrics by developing audit bots to visit business pages and designing unit and integration tests
- Tools/Technologies: Scala, Apache Flink, Apache Kafka

Northrop Grumman   McLean, VA
Cyber Intern   June 2018 – September 2018
- Designed dependency parsing algorithm to detect malicious indicators from cyber intelligence reports with a 70% precision rate
- Trained collocation (n-gram) algorithm 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
- Tools/Technologies: Python, Gensim Doc2Vec, NLTK, spaCy, Beautiful Soup

PROJECTS & EXTRACURRICULARS

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 tool using JavaScript (React) along with 4 other team members through weekly sprints

xterns.com   Evanston, IL
Co-Founder   November 2018 – Present
- Developed a platform design to connect diverse, talented students from across the country to top employers through externships
- Built the frontend and backend of a fully responsive website using HTML/CSS, Bootstrap, jQuery, Python (Flask, SQLAlchemy)

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

Twitter First Flight   San Francisco, CA
Participant   October 2018 – October 2018
- Selected as one of 30 out of 650 applicants to participate in technical workshops focused on developing computer science abilities
- Interacted with Twitter employees through networking lunches and workshops to explore the field of software engineering

Main-Dempster Mile (MDM)   Evanston, IL
Non-Profit Consultant   September 2017 – December 2017
- Strategized targeted advertising campaign that increased Northwestern student visits to the MDM shopping district by 50%
- Led team of 5 students in analyzing consumer behavior in R for the Executive Director to present to the Evanston government

SKILLS

Languages / Technologies: (proficient) Python, R, HTML/CSS, SQL, Git (familiar) JavaScript, Scala, Java