SHAILY FOZDAR

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EDUCATION

UNIVERSITY OF MICHIGAN — **Ann Arbor, MI**
College of Engineering | Stephen M. Ross School of Business
Bachelor of Science, Computer Science | Bachelor of Business Administration, May 2022
- Cumulative GPA: 3.81/4.00
- Emphases in Finance and Business Law
- Relevant Coursework: Machine Learning, Data Structures and Algorithms, Discrete Mathematics, Foundations of Computer Science, Computer Organization, Probability

EXPERIENCE

Summer 2021 — **IMC TRADING** — **Chicago, IL**
Incoming Quantitative Trading Intern

Summer 2020 — **MICROSOFT CORPORATION** — **Redmond, WA**
Product Management Intern, Azure PIE
- Conceptualized algorithm to synthesize diverse Azure resource usage telemetry using KQL queries, aiming to accurately predict realized savings through CloudFit platform
- Conducted 30+ user research studies to determine realized savings use cases and design corresponding metrics and UX, increasing CloudFit active user base by 15%
- Developed visualization tool for analyzing actions taken to minimize inefficient Azure consumption, enabling users to identify trends in excess spend, savings, and utilization

Summer 2019 — **Explore Intern, ODSP Experiences**
- Designed, prototyped, and implemented Drag and Drop (DnD) feature based on stakeholder viewpoints and user metrics, increasing ease of file upload for 500k+ users
- Established telemetry and designed A/B testing criteria to evaluate DnD impact on file uploads, resulting in 20% increase in DnD file uploads in internal test environment

2020 - Present — **STRATEGIC REASONING GROUP** — **Ann Arbor, MI**
Research Assistant
- Constructed financial network model, implementing credit/debt/CDS issuance, investment capabilities, portfolio compression, and network resolution algorithm
- Implemented LP solver to interest-restricted payment routing problem, solving for additional objectives such as minimizing credit usage and interest rate monotonicity

2018 - Present — **NEXECON CONSULTING GROUP** — **Ann Arbor, MI**
Vice President of Communications and Integrity
- Led team of analysts to devise smart-lock market entry strategy for luxury retailer, focusing on technological offerings and branding to identify $3.4B in opportunities
- Developed customer retention and pricing sensitivity model for Fortune 500 airline, identifying 5-year potential reach of 70k millennial customers and $60MM profit

TECHNICAL PROJECTS

Programming Languages: C++, Python, Java, JS/HTML/CSS, LaTeX, SQL
- *Shared Mental Models:* designed and implemented front-end and back-end of research platform to evaluate effectiveness of human-AI collaboration on classification tasks
- *Rate-My-Professor Review Classifier:* applied multiclass SVM-based classification on previous reviews to train classifier, improving baseline accuracy by 17% through feature engineering, introduction of penalty terms, and hyperparameter selection
- *Food Image Classifier:* enabled CNN-based classification of data, increasing baseline accuracy by 19% by testing various model architectures and regularization methods

ADDITIONAL
- Awards: Winner, Deloitte Undergraduate Case Competition, United Airlines Case Competition, Lear Innovation Challenge; 2nd Place, KPMG Case Competition
- Published research on impacts of democratic idealization on political dissatisfaction
- Aspiring Sherlock Holmes, avid runner, crossword and calligraphy enthusiast