

VIDUR PRASAD

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EDUCATION

University of Michigan, Ann Arbor, MI: Computer Science & Economics, Honors Program: **3.95/4.00** 2016 – 2020

- > James B. Angell Scholar (Three Semesters of A & A+) | Computer Science Major GPA: **4.0/4.0** Economics Major GPA: **4.0/4.0**

EXPERIENCE

E15 Analytics

Chicago, IL

Summer Business Analyst, Artificial Intelligence Group

May 2018 – August 2018

- > Developed a scalable Python labor model to dynamically staff concession stands for the Los Angeles Dodgers & Washington Nationals using AI-based demand forecasting to reduce labor cost while keeping lines short enough to ensure fan satisfaction
- > Implemented the currently used model to reduce labor cost by ~8.2% & shorten lines by ~4 minutes, with annualized savings of \$1.15M by moving staff to efficient stands with fast speed of service, reducing number of temp employees by ~35 per game
- > Designed a fraud detection system for use at Wrigley Field to reduce inventory theft by over \$2000 at each concession stand & interviewed 48 employees to provide recommendations concerning employee satisfaction to reduce turnover by ~25%

Summer Business Analyst, Beverage Analytics Group

June 2017 – August 2017

- > Consulted with the \$1.2B Beverage Analytics practice to increase per capita beverage sales at large stadiums by analyzing 160+ data points to provide beer promotions, offerings & pricing recommendations actively used today at over 100 venues
- > Created an Artificial Neural Network in Python to understand & analyze the US alcoholic beverage market & provided individualized recommendations to clients on the optimal proportion of beer offerings & sales that should come from each segment of beer, such as National Craft or Latin Import, leading to a 17% increase in per capita beverage sales in one year

BOND Consulting Group

Ann Arbor, MI

Vice President of Internal Development

September 2016 – Present

- > Led a team of 5 consultants in an engagement with a homeless shelter to predict the number of homeless people in Ann Arbor to guide investment strategy; created a joint funding agreement between a local hospital & client to reduce unnecessary ER visits, & convinced client to allow homeless ex-convicts to volunteer in soup kitchen to gain marketable skills for employment
- > Proposed & managed an initiative with over 20 consultants to collect & organize ~350 deliverables into a searchable database
- > Managed 5 consultants in a case with a glass manufacturing company to create an inventory model, saving over \$300,000 in excess inventory costs; designed a dynamic pricing model to reduce the number of unsold glass making class tickets by ~43%
- > Performed due diligence on niche art entertainment service to determine & improve enterprise value for future private equity buyout, & recommended changes to staffing & pricing strategy; recommendations led to revenue growth of over 18% in 1 year

Michigan Investment Group

Ann Arbor, MI

President

September 2016 – Present

- > Raised & managed an active equity fund of \$35,000 & consistently beat the S&P 500 Index by an average of 15.9% YTD, & developed multiple indicators in C++, such as EMA, on Quantitative Trading desk to analyze & adjust portfolio in real-time
- > Redesigned recruiting system, increasing the number of applicants from 46 to 241, & increasing diverse applicants by 7X; mentored over 50 members to develop their knowledge in finance by leading sessions on markets & financial concepts

University of Dayton Research Institute

Dayton, OH

Research Intern

Summer 2015 & Summer 2016

- > Proposed & developed a system that detects distracted or drunk driving using traffic cameras (TCD3), with 83% accuracy, & met with Ohio House Rep. to discuss regulatory issues with TCD3; more information available at drunkdriverdetection.com
- > Developed computer vision system for CNC machines to help operators identify drill bits, reducing a 30 min. step to 4 min.

ADDITIONAL ITEMS

Boy Scouts: Attained Eagle Scout Rank culminating in repaving a trail with 5+ tons of gravel in the Koogler Wetlands in Dayton, OH

Accenture Innovation Challenge U of M 1st Place Winner: Won non-profit local case competition at UM out of 15 teams in 2 rounds

Hanban China Summer Program: Studied Chinese for 4 years & studied Chinese culture & business in Guilin & Beijing for 3 weeks

Fleece Hats & Scarves: Learned to create scarves & hats for shelter; trained other students with 300 items delivered every December

Rock Climbing: Climbed in multiple indoor ranges focused on bouldering, & climbed inside of the Marengo Cave complex in Indiana