

## ELI S. SHERMAN

248-410-0866 -- 4853 School Bell Ln., Bloomfield Hills, MI 48301 -- [esherma@umich.edu](mailto:esherma@umich.edu)

### EDUCATION

#### University of Michigan, Ann Arbor

*College of Literature, Science, and Arts; Honors Program, Class of 2017*

- B.S. Computer Science, Minor in Economics
- G.P.A. 3.65/4.0; 3.76 Computer Science
- Michigan Regents Merit Scholar
- Courses: Intro to Natural Language Processing, Intro to Autonomous Robots, Structure of Labor Markets

### WORK EXPERIENCE

#### Machine Learning for Data-Driven Decisions Lab, University of Michigan - Computer Science, Ann Arbor, MI

*Research Assistant, April 2016-Present*

- Leveraging electronic medical records at the University of Michigan Health System to build a clinical decision support tool for predicting changes physiological variables in ICU patients
- Focusing on feature engineering and transfer learning to formulate high performing, robust models
- Working under the mentorship of Professor Jenna Wiens, PhD.

#### Center for Healthcare Engineering and Patient Safety, University of Michigan, Ann Arbor, MI

*Research Assistant and Analyst, May 2015-Present*

- Interdisciplinary collaboration with students from healthcare and engineering backgrounds as well as medical professionals to solve healthcare and aviation problems with an operations focus
- Investigating delay propagation, robust planning, and recovery models in the domestic airline industry
- Co-authored a linear programming application to aid hospital administrators in making scheduling decisions

#### Epsilon Math Camp, Washington University, St. Louis, MO

*Counselor, Summer 2015*

- Supervised a group of 7 and 8 year old mathematical prodigies in classroom and recreational settings
- Aided professors in teaching advanced math concepts while maintaining classroom order
- Coordinated camp events with administrators, parents, and other counselors

#### Franklin Baseball League, Franklin, MI

*Youth Baseball and Softball Umpire, 2007-Present*

- Senior Umpire –report directly to umpire director to improve coach-umpire relations
- Crew Chief – trainer and supervisor of 12 umpires; design and implement a pre-season training program
- Monitor the progress of trainee umpires; act as an advisor and mentor for younger umpires

### VOLUNTEER EXPERIENCE

#### WCBN-FM Radio Station, Ann Arbor, MI

*Sportscaster, 2013-present*

- Play-by-play and color commentator for live broadcasts of college football, baseball, hockey, and basketball
- Host and panelist on “Daily Sports Report” drive-time talk show
- Executive Board Member and Special Assistant to the Director, WCBN Sports Department

#### EECS 183 & 370, Ann Arbor, Michigan

*Course Tutor and Grader, 2014-2015*

- Assisted course staff in holding office hours.
- Evaluated and scored student projects and homework

#### HKN Honors Society, Ann Arbor, Michigan

*Projects Officer, Winter 2016; Secretary, Fall 2016*

- Organize community service opportunities for active and new members
- Coordinate with community leaders to facilitate service events in a variety of areas, notably K-12 Outreach
- Serve as the primary line of communication between organization’s members and its officer corp

### Computer Experience

- Academic research experience in machine learning and operations, both with a focus on healthcare
- Courses in Algorithms, Data Structures, Architecture, Operating Systems, Security, and Machine Learning
- Proficient in Python, C++, and C; familiar with SQL, CPLEX Library, and Java

### SKILLS

- Proficient in Spanish
- Accomplished cellist: chamber musician and principal cellist in University of Michigan Campus Orchestra