

## Education

- Sept. 2014 to April 2018 **BSE in Data Science**, *University of Michigan*, Ann Arbor, MI, USA.
- Minor in Mathematics
  - GPA: 3.31 *Cum Laude*
  - Awards/Honors:
    - Dean's Honor List - Fall 2017, Winter 2018
    - University Honors - Fall 2017, Winter 2018

## Experience

- June 2018 to Present **Data Scientist**, *Algo.ai*, Troy, MI, USA.
- Description
- Lead development and design of customer-facing forecasting module
  - Developed dashboards to enhance customer work-flow and data visibility
  - Implemented neural networks to incorporate into and improve forecasting models
  - Verified and built processes to ensure client data integrity
- May 2018 to Present **Independent Research**.
- Research project with Dr. Yves Atchade to develop a multinomial Bayesian classifier for cancer types using reverse phase protein array (RPPA) data.
- Researched literature on similar models and analysis of RPPA data
  - Derived and implemented Markov Chain Monte Carlo sampler for classification
- Sept. 2017 to April 2018 **Research Assistant**, *Center for Molecular Imaging*, Ann Arbor, MI, USA.
- Student position to support Dr. Craig Galban and his team in medical imaging data analysis.
- Designed and deployed application to enable scalable organization and cataloging of incoming data sets
  - Built tool to integrate various image processing scripts into single view
  - Automated pre-processing of incorrectly formatted images
- May 2017 to August 2017 **Machine Learning Engineering Intern**, *Algo.ai*, Troy, MI, USA.
- Integrated statistical learning methods into RESTful API
  - Built API endpoints to share customer data in web, email and powerpoint formats
  - Designed and developed unit testing system to automate system testing
  - Developed web scraper to augment information available from customer data
- Jan. 2017 to Dec. 2017 **Student Researcher**, *ProQuest*, Ann Arbor, MI, USA.
- Student-run research project to improve the pharmaceutical literature review process using machine learning.
- Researched and selected appropriate machine learning algorithms
  - Designed data normalization process to simplify training and implementation
  - Implemented final algorithm to perform document classification
  - Organized meetings with and presented to company sponsors to track progress

## Extra-Curricular Activities

- Oct. 2015 to **President**, *Michigan Biological Software Team*.  
April 2018
  - o Gold Medalist at International Genetically Engineered Machine (iGEM) Competition 2016, 2017
  - o Best Software Award at iGEM Competition 2016

Jan. 2016 to **Workshop Leader**, *Canton Public Library*, Canton, MI, USA.  
March 2016
  - o Organized and delivered superhero themed chemistry workshop to library patrons

Jan. 2015 to **Webmaster**, *Michigan Biological Software Team*.  
August 2015
  - o Bronze Medalist at iGEM Competition 2015

## Community Service

- 2012 to **Mathematics Tutor**, Dearborn, MI, USA.  
Present Free tutoring for college math courses and math sections of GRE and PCAT exams  
2006 to **Volunteer**, *Zamaan International*, Dearborn, MI, USA.  
Present
  - o Packaged and delivered food to clients
  - o Organized fund raising efforts with local supermarkets

June 2013 **Volunteer**, *Beaumont (Previously Oakwood Hospital)*, Dearborn, MI, USA.  
Clerical work and support in pathology department  
Sept. 2011 to **Tutor**, *WISE Academy*, Dearborn, MI, USA.  
May 2013 After-school volunteer tutor for students K–12<sup>th</sup> grade

## Languages

- **English**: Native Language
- **Arabic**: Fluent
- **French**: Full working proficiency