# Michael J. Tang

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## EDUCATION

**Georgia Institute of Technology | Atlanta, Georgia**                                    **Overall GPA: 3.92**
**Bachelor of Science in Industrial and Systems Engineering (BS ISyE)**                              *May 2021*
- *Intended Concentration*: Supply Chain Engineering
- *Honors*: Zell Miller Scholarship Recipient 2017-20, Dean's List 2017-20

**Mansfield College, Oxford University**                                                    **Oxford, England**
*Georgia Tech Oxford Summer Study Abroad Program*                                  *May 2019 - August 2019*
- Adapted to unfamiliar environments and embraced cultural differences
- Developed communication and organization skills to navigate through 10 different countries

## EXPERIENCE

**School of Industrial & Systems Engineering,** *Undergraduate Teaching Assistant*            **Atlanta, Georgia**
*Facilitated online learning of probability and statistics concepts*                      *August 2020 – Present*
- Providing assistance to students during weekly office hours
- Assisting the professor with classroom instruction material and grading assignments

**School of Interactive Computing, College of Computing,** *Research Assistant*              **Atlanta, Georgia**
*Building a healthcare application to be deployed in hospital emergency departments*    *August 2019 – Spring 2020*
- Prototyped an app for patients that displays information about healthcare providers in their area based on parameters
- Increased use of the app could result in millions in savings for patients and healthcare providers
- Collaborated with Chief Medical Information Officer and Chief of Emergency Medicine of Grady Health System

**Fulton County Schools,** *IT Intern / Hardware Support Depot*                       **Sandy Springs, Georgia**
*Prepared devices and accessories for K-12 student use in 2018-19 school year*             *June 2018 – July 2018*
- Tested and replaced over 4,000 Surface Pro 3 device accessories at 7 schools in the Greater Atlanta area
- Managed team resources effectively to increase productivity

## SKILLS/INTERESTS

**ISyE:** Probability Theory, Random Processes, Statistical Analysis, Regression, Economic Analysis, Queuing Theory, Quality Improvement, Stochastic Systems, Manufacturing Systems, Logistics Modeling
**Programming:** Microsoft Excel and Word, Databases, SQL, Tableau, OOP, Java, Python3, HTML/CSS, R
**Mathematics:** Linear Algebra, Multivariable Calculus, Differential Equations, Counting, Graph Theory, Set Theory
**Affiliations:** Institute of Industrial and Systems Engineers (IISE), Student Alumni Association (SAA), Data Science
**Communication:** Team dynamics, Proposals, Technical reports, Presentations, Meetings
**Personal:** Organization, Time management, Self-driven, Hands-on problem solver, Hard-working
**Interests:** Data science, AI, NLP, cars, frisbee, cooking, music
**Languages:** English – native, Chinese – intermediate, Spanish – intermediate

## LEADERSHIP

**HyTech Racing,** Business Sub-team                                                        **Atlanta, Georgia**
- Worked with a team to build a Formula SAE racecar                                     *August 2019 – May 2020*
- Implemented a product lifecycle management and version control software

**Grand Challenges Living Learning Community,** *Team Lead*                                  **Atlanta, Georgia**
*Developed an innovative solution to reduce energy waste in HVAC systems*                 *August 2018 – May 2019*
- Designed an online software program that integrates work order systems with sensor data systems
- Built key deliverables to convey findings and synthesize implications for energy usage
- Software solution could result in 40% energy savings if implemented in buildings