

Michael J. Tang

120 N Ave NW, Atlanta, GA 30313 • 404-980-9192 • mtang64@gatech.edu

EDUCATION

Georgia Institute of Technology | Atlanta, Georgia

Bachelor of Science in Industrial and Systems Engineering (BS ISyE)

Overall GPA: 3.92

Expected May 2021

- *Concentration:* Supply Chain Engineering
- *Honors:* Zell Miller Scholarship Recipient 2017-20, Dean's List 2017-20

Mansfield College, Oxford University

Georgia Tech Oxford Summer Study Abroad Program

Oxford, England

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

Facilitates online learning of probability and statistics concepts

Atlanta, Georgia

August 2020 – Present

- Provides assistance to 80 students during office hours every week
- Assists the professor with classroom instruction material and grading assignments for 10 hours a week

School of Interactive Computing, College of Computing, Research Assistant

Built a healthcare application that increases health literacy

Atlanta, Georgia

August 2019 – Spring 2020

- Developed sketches for the user interface design and revised them to create a prototype
- Projected that widespread adoption of the app could result in at least 2 million dollars in savings for Grady Health System, which is one of the busiest level 1 trauma centers in the US
- Designed healthcare literacy modules aimed at educating people about topics like common illnesses and vaccinations

Fulton County Schools, IT Intern / Hardware Support Depot

Prepared devices and accessories for K-12 student use in 2018-19 school year

Sandy Springs, Georgia

June 2018 – July 2018

- Tested and replaced over 4,000 Surface Pro 3 device accessories at 7 schools in the Greater Atlanta area
- Established a new workflow resulting in 25% increase in worker efficiency

LEADERSHIP

HyTech Racing, Business Sub-team

Atlanta, Georgia

August 2019 – May 2020

- Collaborated with 5-10 different sub teams to order parts and observe progress
- Managed over \$50,000 in resources for building the racecar
- Implemented a finance management software that consolidated order forms and reduced team confusion

Grand Challenges Living Learning Community, Team Lead

Developed an innovative solution to reduce energy waste in HVAC systems

Atlanta, Georgia

August 2018 – May 2019

- Designed an online software program that integrates work order systems with sensor data systems
- Conducted 15-20 meetings to monitor team progress and interview HVAC systems managers
- Software solution could result in a potential 40% energy savings if implemented in modern office buildings

SKILLS/INTERESTS

ISyE: Supply Chain, Logistics, Optimization, Process Improvement, Regression, Simulation, Statistical Analysis, Quality Control, Economic Analysis, Data Visualization, Manufacturing Systems

Programming: Expert in Python3, Proficiency in Microsoft Excel and Word, R, SQL, LaTeX, Gurobi, Java, HTML/CSS

Mathematics: Mathematical Programming, Differential Equations, Graph Theory, Set Theory

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, running, cooking, music

Languages: English – native, Chinese – intermediate, Spanish – beginner