

Michael Wang

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EDUCATION

Georgia Institute of Technology, Atlanta, GA	May 2019
<ul style="list-style-type: none">• Candidate for B.S. in Industrial Engineering and B.S. in Computer Science• 4.0/4.0 GPA	
Northview High School, Johns Creek, GA	August 2011 – May 2015

EXPERIENCE

Kumon Instructor, Johns Creek, GA	August 2014 - May 2015
<ul style="list-style-type: none">• Tutoring calculus-level math students one on one• Grading problem sets	

PROJECTS AND RESEARCH

Governor's Honors Program Math Project, Valdosta, GA	June 2014 – July 2014
<ul style="list-style-type: none">• Coursework in various math disciplines: combinatorics, advanced problem solving, cryptology, etc.• Developing a heuristic model of the Traveling Salesman Problem in Netlogo	
Volunteer Research Assistant at GT PRD Lab, Atlanta, GA	August 2015 – December 2015
<ul style="list-style-type: none">• Estimating Item Response Parameters using MCMC Methods• Programming in R to recreate common IRT Models	
Undergraduate Research Assistant at GT PBL, Atlanta, GA	January 2016 - Present
<ul style="list-style-type: none">• Finding repeated membrane potential fluctuations in hippocampus of awake mice• Programming MATLAB scripts for statistical tests and signal processing• Interfacing with GT supercomputer cluster to run programs	
Fin.Dash at HackGT, Atlanta, GA	September 2016
<ul style="list-style-type: none">• A user friendly, interactive financial dashboard that used Nessie, Capital One's hackathon API• Using Flask web framework, HTML, CSS, JS, Materialize, and several data visualization libraries• Working on backend algorithms for graphs as well as front end website design	

SKILLS

Data Analysis: Probability, Statistical Methods, Stochastics, Optimization
Programming: Java, Python, R, MATLAB, Mathematica, LaTeX, HTML, CSS, Linux Bash, Xpress
Communication: Presentations, research papers, group projects
Language: English, Conversational Chinese

LEADERSHIP & ACTIVITIES

Sunrise of Johns Creek Volunteer	2011 – 2015
<ul style="list-style-type: none">• Dedicated volunteer of assisted-living center for those suffering from early stage Alzheimer's• Catering to the needs of residents as they arise	
The Tower Undergraduate Research Journal Business Manager	2016 - Present
<ul style="list-style-type: none">• Managing all business matters of The Tower including finances, marketing, and distribution• Organizing semiannual Undergraduate Research Kaleidoscope	
GT China Care Mentorship Chair	2016 - Present
<ul style="list-style-type: none">• Non-profit that raises money for medical care for children living in impoverished regions of Asia	

AWARDS

GE STAR Scholarship (\$3500)	Spring 2015
National Merit Scholarship (\$2500)	Spring 2015
President's Undergraduate Research Award (\$1500)	Fall 2016
HackGT Goldman Sachs Best UX Award	Fall 2016