

Michael Wang

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EDUCATION

Georgia Institute of Technology, Atlanta, GA

May 2019

- 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

- 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

- 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

- 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

- 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, HackGT Atlanta, GA

September 2016

- 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

ISyE: 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

Athletics: Fencing, Running

LEADERSHIP & ACTIVITIES

Sunrise of Johns Creek Volunteer

2011 – 2015

- 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

- Managing all business matters of The Tower including finances, marketing, and distribution
- Organizing semiannual Undergraduate Research Kaleidoscope

GT China Care Mentorship Chair

2016 - Present

- Non-profit that raises money for medical care for children living in impoverished regions of Asia

AWARDS

- National AP Scholar with Distinction Fall 2014
- GE STAR Scholarship (\$3500) Spring 2015
- National Merit Scholarship (\$2500) Spring 2015
- President's Undergraduate Research Award (\$1500) Fall 2016
- HackGT Goldman Sach's Best UX Award (Bose Speakers) Fall 2016