Kai TIAN

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EDUCATION

Singapore Management University Ph.D. in Business
Operations Management

2020.Aug –

Georgia Institute of Technology M.S. in Electrical Engineering
Power system protection

2015.Aug – 2018.Dec

Georgia Institute of Technology B.S. in Electrical Engineering; Highest Honor
Analog IC, Digital VLSI, IC Fabrication

2012.Aug - 2015.May

Purdue University B.S. in General Engineering
Trained with public speaking

2011.Aug - 2012.May

EXPERIENCE

Graduate Research Assistant Georgia Tech School of Electrical & Computer
Eng.
Learned a RK-4 numerical algorithm for computing high-order differential equations. Developed a frequency-domain power system simulation program in C++ using a RK-4 method. Developed a Thevenin's equivalent model for a lead-acid battery in WinIGS software.

2017.Jan – 2018.Dec

Research Assistant Georgia Tech School of Industrial & System Eng.
Tested small form-factor mobile hardware platforms for deep learning-based technical analysis on stock's k-line graph. Used MATLAB to generate learning samples (k-line indicators) for the deep learning module in android phones.

2016.May – 2016.Aug

Research Assistant Georgia Tech School of Material Science Eng.
Practiced transfer of monolayer graphene from copper substrate onto other materials. Tested bubbling method based on electrolysis for safer peeling of monolayer graphene.

2014.Aug – 2015.Apr

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TEACHING

Graduate Course Georgia Tech School of Electrical & Computer Eng.
Power System Protection. Covers the topics of power delivery in a multi-sources multi-users transmission network, and of model for power system protection.

Spring 2018

Undergraduate Course Georgia Tech School of Physics
Physics II (Electricity & Magnetism) Lab. Hosted Q&A session for student's quizzes. Helped with student's lab experiments (w/ VPython).

Fall 2014