Jiajun Mao

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Education

Kent School – Expected graduation June 2019
- AP BC Calculus, AP Statistics, AP Computer Science A, AP Economics

University of Chicago Summer School, Summer 2017
- Computer Science 15100, Economics 19800

Experience

CEA (China Elite Academy), Shanghai, China — June 2015 – Present
Assistant Head of IT Dept. — (During vacations)
- Responsible for Microsoft Enterprise Level solutions deployment including but not limited to Sharepoint, Exchange, Lync.
- Network infrastructure construction and maintenance

Kent Artificial Intelligence Laboratory — April 2018 – Present
Co-Founder, Researcher
- Designing generative models for manipulator kinematics and dynamics optimization
- Cooperating with researchers from Berkeley Artificial Intelligence Research (BAIR) and Stanford Artificial Intelligence Laboratory (SAIL)

Coursera Online Course — Jan. 2018 – Present
Student
- Neural Networks and Deep Learning — License Num. KLWBM5ZWFFKQ
- Structuring Machine Learning Projects — License Num. LP5NKDCT3L77
- Improving Deep Neural Networks — License Num. 98ENSQLYKU99

Grandall Law Firm, Shanghai, China — Summer, 2016 - 2017
Apprentice
- Working with paralegals and lawyer assistants to cooperate with an associate in a legal case over $20 million regarding luxury residential project in Xintiandi, Shanghai.
- Responsible for the translation and notarization of relating legal documents

Research Interest

- Deep Learning Applications
- Deep Generative Models
- Cloud and Distributive Computing

Projects

A Deep Generative Model for Manipulator Design
Using deep generative models to provide hints on characteristics of a high-performing manipulator (defined by its Yoshikawa/Asada manipulability measure at a given joint)

Pseudo Heterogenous Distributive Computing System and Task Priority Management
Implement the concept of heterogenous distributive computing system in Kent School in effort of utilizing all the computing resources in the school.

Skills

Programming Languages
MATLAB, Octave, Python, TensorFlow, Java, C++, Scheme, Git, SQL (limited), HTML (limited)

Science
Deep Learning, Machine Learning, Network Topology, Calculus, Linear Algebra (limited), General Biology

Microsoft Enterprise Solutions
Active Directory, Sharepoint, Exchange, Lync, TMG, Certification Authority, Microsoft Azure,