Eric Qian
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Education

Massachusetts Institute of Technology (MIT) *Cambridge, MA*
Candidate for B.S. in Computer Science and B.S. in Math May 2021
GPA: 5.0/5.0; Relevant courses: Machine Learning (G), Design and Analysis of Algorithms, Advances in Computer Vision, Fundamentals of Programming, Computation Structures, Probability and Random Variables, Linear Algebra, Multivariable Calculus, Managerial Finance

Adlai E. Stevenson H.S. *Lincolnshire, IL*
GPA 4.0/4.0; ACT: 36; Relevant courses: AP Computer Science, AP Physics with Calculus May 2017

Experience

MIT 6.009 Fundamentals of Programming *Cambridge, MA*
Lab Assistant September 2018-present
- Teach how to solve problems using different algorithms, data types, and recursion techniques in Python.

Singapore MIT Alliance for Research and Technology *Singapore*
Intern June 2018-July 2018
- Developed an algorithm to generate optimal pairings between ride-sharing vehicles and passengers that decreased wait times by 70% and total distances driven by 30%.
- Built a Python framework to test optimizations with different constraints for single-ride and ride-share journeys.
- Integrated the formulation into the C++ simulation controller.

MIT 15.S50 Poker Theory *Cambridge, MA*
Instructor January 2018-February 2018
- Taught the mathematics and logic behind Nash equilibrium, game theory optimal play, and exploitative play.
- Managed advertising for the class and achieved a registration of over 70 students.

Projects

Unicart May 2018-present
- Service that helps users to find the lowest price on a given item across various retailers.
- Uses Node to parse websites and store information into an SQL database.

Qzine January 2018
- Website that allows users to search for and save recipes.

Activities

MIT Poker Club *Cambridge, MA*
President September 2017- Present
- Responsible for managing tournaments, organizing company talks, and general body meetings for MIT poker club.

MIT Consulting Group *Cambridge, MA*
Consultant February 2018-Present
- Provide clients with high-quality deliverables and strategic recommendations for growth.
- Conduct comprehensive computer analysis to develop market overviews and projections.

Chemistry Club *Lincolnshire, IL*
President June 2014-June 2017
- Increased club membership by over 200% in two years by designing hands-on activities.
- Led a collaboration with school's environmental protection club to help club members learn environmental chemistry.

Awards

United States National Chemistry Olympiad | *Top 20 in the United States (out of 16000)* | 2016
National Science Olympiad | *Disease Detectives (Epidemiology and Statistics) Silver Medal* | 2015
MIT x Harvard Poker Tournament | *10th Place* | 2018
National Merit Scholarship | *Semifinalist* | 2016

Skills

Software: Python - intermediate, HTML - intermediate, CSS - intermediate, JS - intermediate, Java - basic
Languages: English - fluent, Chinese - advanced, Spanish – advanced