Rick Huang

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EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
POTENTIAL CANDIDATE FOR MASTERS OF ENGINEERING IN COMPUTER SCIENCE
Expected Sep 2018 - Expected Jun 2019 | Cambridge, MA
Expected to perform research in adversarial networks within deep learning under Professor Aleksander Madry in MIT CSAIL
CANDIDATE FOR BACHELOR OF SCIENCE IN COMPUTER SCIENCE
Sep 2015 - Expected Jun 2019 | Cambridge, MA | Cumulative GPA: 4.8
Current Coursework: 6.437 Inference and Information • 18.615 Stochastic Processes
Relevant Coursework: 6.854 Advanced Algorithms • 6.809 Music Systems • 6.867 Machine Learning • 6.858 Computer Security
6.033 Computer Systems Engineering • 6.828 Operating Systems • 6.046 Design and Analysis of Algorithms
18.100 Real Analysis • 18.701 Abstract Algebra • 18.600 Probability and Random Variables • 18.200 Discrete Mathematics

EXPERIENCE

RUBRIK INC. | **SOFTWARE ENGINEER INTERN**
Aug 2018 - Oct 2018 | Palo Alto, CA
- Expected to start fall 2018 as a software engineering intern on the project data management team

TWO SIGMA INVESTMENTS, LLC | **MODELING ENGINEERING INTERN**
May 2018 - Aug 2018 | New York, NY
- Expected to return summer 2018 as a software engineering intern in the modeling engineering department

TWO SIGMA INVESTMENTS, LLC | **SOFTWARE ENGINEERING INTERN**
Jun 2017 - Aug 2017 | New York, NY
- Ported connection lines between modelers and trading exchanges written in C to a more modularized framework
- Implemented and deployed new connections to trading exchanges to production, complete with client connection validation
- Improved robustness of existing session handler to better tolerate connection behavior of exchanges based on TCP

FIVE RINGS CAPITAL, LLC | **TRADER INTERN**
Jan 2017 | New York, NY
- Investigated trends, generated statistical analytics, and developed potential strategies for relevant financial instruments

BLOOMBERG L.P. | **SOFTWARE ENGINEERING INTERN**
May 2016 – Aug 2016 | New York, NY
- Designed a C++ backend system with custom graph data structures to track and calculate historical buy and sell trades
- Constructed web user interface for client-based custom profit and loss formula input for consumption by backend system

CORTINA ACCESS | **SOFTWARE ENGINEERING INTERN**
Jan 2016 | Santa Clara, CA
- Tested open source improvements to deep packet inspection and machine learning protocols for P2P packet identification

PROJECTS

PROBABILISTIC IMAGE SUPER-RESOLUTION
Dec 2016 | Massachusetts Institute of Technology
- Used Bayesian posterior modeling of Gaussian processes on multiple low-resolution patches of pixels for extrapolation

POT-LIMIT OMAHA HOLD'EM POKERBOT
Jan 2016 | Massachusetts Institute of Technology
- Used Monte Carlo simulations for equity calculation and regression models for training actions based on opponent behavior

ORGANIZATIONS

TAU BETA PI | **MEMBER**
May 2017 - | Cambridge, MA
- Member of MIT's Tau Beta Pi Engineering Honor Society, initiated by ranking in the top eighth of computer science students

MIT POKER CLUB | **PRESIDENT**
Mar 2017 - | Cambridge, MA
- Responsible for managing tournaments, organizing company talks, and general body meetings for the MIT Poker Club

AWARDS

2017	4th Place, MIT Winter Series of Poker Main Event
2016	1st Place, MIT Pokerbots Casino Tournament
2014	USA Math Olympiad Qualifier
2014	USA Physics Olympiad Semifinalist
2012	USA Computing Olympiad, Gold Division

SKILLS

Proficient
Python • Java • C • C++ • Mercurial • Git • LaTeX
NumPy • SciPy • Linux • Bash • Networks • Security
Basic
Javascript • HTML • CSS • Stan • Matlab • MySQL • R