Cyrus E. Rich

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EDUCATION

Georgia Institute of Technology   Atlanta, GA
- Ph.D. student in Operations Research, Dept. of Industrial & Systems Engineering   August 2016 - present
- President's Fellowship for supplemental funding awarded based on merit
- Teaching Assistant: Probability with Applications, Regression & Time Series Forecasting, Economic Decision Analysis, Operations Research for Supply Chains

- *Relevant Coursework*: Statistical Machine Learning, Reinforcement Learning and Markov Decision Processes, Advanced Simulation, Computability & Algorithms, Healthcare Delivery

Massachusetts Institute of Technology   Cambridge, MA
- Bachelor of Science in Mathematics and Management Science   June 2012

EXPERIENCE

Accenture   Boston, Philadelphia, Orlando
Senior Analyst   October 2014 – April 2016
Analyst   September 2013 – October 2014
- Served as business intelligence reporting data specialist for analytical and operational reporting
- Managed a 24/7 development effort with coordination across developers in U.S., Mexico, and India
- Gathered end user requirements and authored functional and technical designs for back-end developers

Senator J. William Fulbright Fellowship   Yulin, China
Student Researcher   September 2012 – September 2013
- Designed and conducted qualitative research on perceptions of water quality and the potential for municipal water treatment in China's future, including interviewing local people about their water sources and concerns about water contamination
- Discussed Chinese-Taiwanese relations with Taiwanese President Ma Ying-jeou

Oxford Summer School in Computational Biology   Oxford, UK
Student Researcher   July 2012 - August 2012
- Worked with two other students to implement an algorithm in Java to predict RNA folding structure
- Wrote a report and gave a presentation detailing our implementation, including accuracy and run time comparisons to existing algorithms

China Educational Technology Initiative, MIT   Kunming, Xining, and Yulin, China
Student Teacher   May 2011 - August, 2011
- Instructed classes of 30-50 students at three universities across China
- Designed and taught a curriculum composed of engineering and design projects, leadership development, and team building activities

Laboratory of Molecular Self-Assembly: RealNose Project, MIT   Cambridge, MA
Research Assistant   June 2009 - August 2009
- Analyzed secondary structure of amphipathic peptides using circular dichroism
- Purified and concentrated odorant receptor proteins for crystallization and structural determination
- Performed cell culture, recombinant DNA manipulation, transfection of cell lines, Western Blots.

ACADEMIC PUBLICATIONS

X. Wang, K. Corin, C. Rich, S. Zhang, Study of two G-protein coupled receptor variants of human trace amine-associated receptor 5, Sci. Rep. 1 (2011) 102

SKILLS

Conversational Mandarin Chinese
Python, Java, R, SQL, LaTeX, OBIEE, SAP BOBJ, ExpertFit