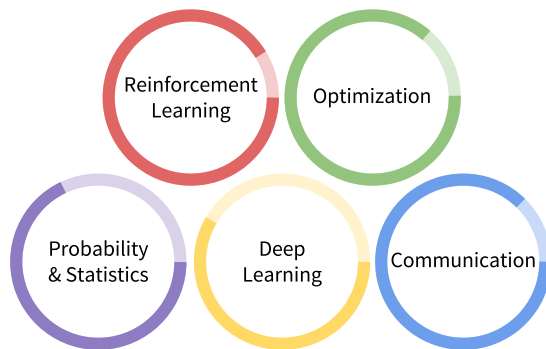# Craig Corcoran

I'm a machine learning PhD student transitioning to industry. I'm passionate about designing new ways to improve lives through machine learning. My work in robotics, reinforcement learning, and hypothesis testing has given me the technical and software skills necessary to utilize data for a wide variety of applications, both at scale and in smaller exploratory settings.
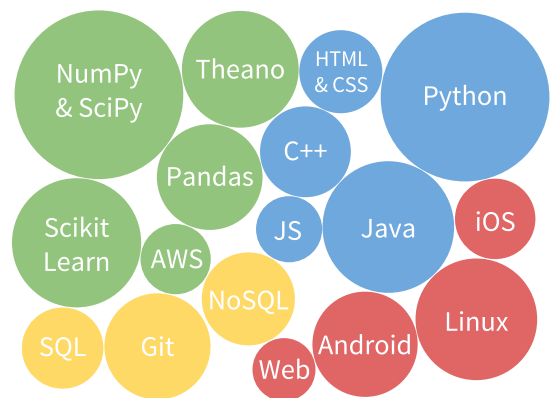
cs.utexas.edu/~ccor

713-252-9342

ccor5588@gmail.com

craig-corcoran

SKILLS

MACHINE LEARNING

Reinforcement Learning · Optimization · Probability & Statistics · Deep Learning · Communication

SOFTWARE

NumPy & SciPy · Theano · HTML & CSS · Python · Pandas · C++ · Scikit Learn · JS · Java · iOS · AWS · NoSQL · SQL · Git · Web · Android · Linux

EXPERIENCE & EDUCATION

UT Austin Computer Science PhD (all but dissertation)   (2010 – Present)

Research: Explored Representation Discovery for Reinforcement Learning with Peter Stone, Continuous-action Contextual Bandits with Pradeep Ravikumar, and Adaptive Hypothesis Testing with Constantine Caramanis

Teaching: Prepared programming assignments, held discussion sections, and gave lectures as a TA for Large Scale Machine Learning, Convex Optimization, Artificial Intelligence, and iOS Mobile Development

Courses: Studied Reinforcement Learning, Graphical Models, Probabilistic Algorithms, Numerical Linear Algebra, Data Mining, Machine Learning

Other: Recieved NSF Fellowship; Co-Founded Deep Learning Reading Group

IBM T. J. Watson Research Center Internship   (Summer 2013)

Developed methods for using satellite images to predict weather and its impact on solar energy markets with Gerry Tesauro

NASA Dexterous Robotics Lab Internship, JSC   (2008 – 2009)

Researched particle filter methods for localizing in-hand objects using touch sensor data from Robonaut 2 with Rob Platt

Rice University   (2005 – 2010)

B.A. in Mechanical Engineering and Cognitive Science with honors

PERSONAL INTERESTS: Woodworking, Guitar, Photography, Soccer, Snowboarding