

# Adam Rule

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## Education

### University of Washington

*Professional Masters of Science, Human Centered Design & Engineering*

GPA: **3.9/4.0**

Seattle, WA

June 2013

### University of Illinois Urbana-Champaign

*Bachelor of Science in Engineering, Industrial Engineering with Highest Honors*

GPA: **3.97/4.00**      Technical GPA: **3.94/4.00**

Urbana-Champaign, IL

May 2011

## Technical Skills

- Experience conducting user-centered design, including various qualitative and quantitative methods
- Experience with Adobe Illustrator
- Experience with Java, Python, HTML, CSS, AMPL, GTK and  $\LaTeX$
- Experience modeling with Autodesk AutoCAD, Inventor
- Proficient running discrete event simulations with ProModel

## Experience

### Carnegie Mellon University

*Interaction Design Research Intern*

Pittsburgh, PA

Summer 2011

- Completed a literature review of robotic and human factors research applicable to Multi-User, multi-Robot Systems (MURS)
- Conducted multiple contextual inquiry sessions to research the needs of MURS operators
- Conducted multiple scenario-based interface walkthroughs to develop design recommendations for MURS control interfaces
- First authored and submitted a paper to 7th ACM/IEEE Conference on Human-Robot Interaction (In peer-review process)
- Developed agendas for and lead weekly meetings with advising professor and team members

### Cermak Health Services / University of Illinois

*Senior Design Project*

Chicago / Champaign, IL

Fall 2010

- Partnered with John H. Stroger Jr. Hospital to study and improve their infusion clinic patient-scheduling policies
- Coded a discrete event simulation of the clinic's operation in ProModel using patient, medication, and information flow data
- Coded and ran over 100 future state simulations of possible scheduling system improvements
- Presented research and simulation test findings in an extensive technical report to hospital and university staff

### Intel Research

*Interaction Design Research Intern*

Pittsburgh, PA

Summer 2010

- Performed a case study by ethnographic methods of a young man and his caregiver regarding their attitudes toward caregiving
- Applied findings of the case study to the interaction design of an assistive robot
- Prototyped the interface of an assistive robot using Python and GTK
- First authored and submitted a paper to the 6th ACM/IEEE Conference on Human-Robot Interaction

## Leadership

### Koinonia Christian Cooperative House

*President / Vice President*

Champaign, IL

Spring 2011 / Fall 2010

### University Baptist Church

*Deacon*

Champaign, IL

Spring 2010-Spring 2011

## Titles & Honors

- University of Illinois Bronze Tablet, *Top 3% by GPA*, 2011
- Industrial and Enterprise Systems Engineering Outstanding Industrial Engineering Junior, Spring 2010
- University of Illinois Chancellor's Scholar, *125 per incoming class*, 2008-2011
- University of Illinois James Newton Matthews Scholar, 2008-2011
- National Merit Scholar, 2008-2011
- College of Engineering Dean's List, 2008-2011