

Roy J. Gross
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Education

Drexel University , Philadelphia, PA
Bachelor of Science in Mechanical Engineering , June, 2011
Concentration: Manufacturing

Robotics and Research

- Undergraduate Researcher Drexel Autonomous Systems Lab (2006-Now)
- Machine Tool Lab Manager
- KAIST Hubo KHR-4 Mechatronic Humanoid Robot Technician
- Mini-Hubo Humanoid Manufacturing
- ATLAS Humanoid Mechanical Design and Manufacturing
- DASL 141 - CNC Manufacturing Teaching Assistant
- FIRST Robotics Team 528 President (2004-2006)

Field Skills

- Mastery of Autodesk Inventor 6-2008
- PRISM Engineering Training MasterCAM X4 - 2D, 3D, Lathe
- Proficient Labview 8-8.5
- Knowledge of AutoDesk AutoCAD 2005-2008
- Knowledge of Pro Engineer, Pro/E Wild Fire
- Proficient abilities in Microsoft Word, Excel, Powerpoint, Frontpage
- Hobbyist Welder, MIG, Aluminum TIG
- Ability to use tools such as CNC/Manual Mill and Lathe

South Korea Co-Op 08-09

- National Science Foundation 5 year Research Grant
- First of two students to pilot program in South Korea
- Six months guest at Korean Advanced Institute of Science and Technology
- Worked on the HUBO KHR-4 Humanoid robot
- Learned CNC Manufacturing and Mastercam
- Designed Drexel's First Humanoid Robot (ATLAS)
- Created International Relationships with Korean Manufacturing Community