

Christopher J. Garneau

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- EDUCATION:** **Master of Science, Mechanical Engineering**
The Pennsylvania State University, University Park, PA. Expected May 2009. GPA 3.8/4.0.
Relevant courses: principles of optimization, structural optimization, sustainable design, engineering leadership, introduction to business concepts in manufacturing
Thesis: "Considering censoring in the application of user accommodation prediction models" (tentative)
- Bachelor of Science with Honors and Distinction, Mechanical Engineering**
The Pennsylvania State University, University Park, PA. May 2007.
- PUBLICATIONS:** "Optimal Product Sizing through Digital Human Models." *Proceedings of the 2008 SAE Digital Human Modeling Conference*. Pittsburgh, PA.
- "A Comparison of Methodologies for Designing for Human Variability." Undergraduate honors thesis, 2007. **Received John Karidis Award for Research Achievement in Mechanical Engineering.**
- "Including Preference in Anthropometry-Driven Models for Design." *Proceedings of the 2007 ASME International Design Engineering Technical Conferences*. Las Vegas, NV. **Awarded Best Paper in the Design Automation Conference.**
- RELATED EXPERIENCE:** **Research Assistant**
OPEN Design Lab, Penn State University
August 2006 - Present
- Investigate methodology and applications for designing for human variability
- Research Project**
International Truck and Engine Corporation
Summer of 2008
- Optimized driver package geometry to accommodate a greater proportion of customers
 - Examined various truck packaging methodologies and validated prior research efforts
- Teaching Assistant**
Department of Mechanical and Nuclear Engineering, Penn State University
Spring - Fall of 2007
ME 340: Mechanical Engineering Design Methodology
- Engineering Science and Technology Intern**
Traffic Unit, Pennsylvania Department of Transportation
Summer of 2006
- Conducted field reviews, collected data, and analyzed results for engineering studies in traffic safety, signals, and signing
 - Responsible for drafting and updating various documents and CAD files
- OTHER WORK EXPERIENCE:** **Head Student Scheduler**
Redifer Dining Commons, University Park, PA
August 2004 - January 2007
- Oversaw student hiring, orientation, scheduling, and records management
 - Developed an employee management website used daily by 200 employees
- COMPUTER SKILLS:** **Software**
Matlab, SolidWorks, AutoCAD, Jack, Ansys, Working Model, Adobe Photoshop, Adobe Illustrator, Microsoft Office, LaTeX
- Languages**
Programming using C++ and Matlab, website design using HTML, CSS, and Javascript
- OTHER ACHIEVEMENTS:** College of Engineering Fellowship (Fall 2007 - Spring 2008)