

Christopher D. Hagmann

Curriculum vitae

WORK EXPERIENCE

Purdue University 2012 – Present
Graduate Research Assistant

Develop methods to solve two-stage stochastic integer bilinearly-constrained programming problem.

Optimize supply chain by proactively incorporating warehousing decisions during planning to advance the way supply chains are designed and operated in an uncertain environment.

Brigham Young University 2010 – 2012
Undergraduate Research Assistant

Automated the building and meshing of new models using BASH script, saving an hour of man-time per model while improving the quality of the new models.

Brigham Young University 2005 – 2007
Teaching Assistant

Facilitated a learning environment for groups of 40 students and taught basic principles in physics, chemistry, geology and astronomy in one-on-one settings.

VOLUNTEER EXPERIENCE

2012 – PRESENT
The Church of Jesus Christ of Latter-Day Saints
Financial Clerk

Manage donations and expenses for local Spanish-speaking congregation and assist leadership with administrative tasks via specialized software.

2007-2009
The Church of Jesus Christ of Latter-Day Saints
Proselyting Missionary

Proselyted door-to-door explaining religious beliefs to people in Spanish-speaking communities.

Supervised approximately 12 missionaries for five months.

Brigham Young University 2006 – 2012
Peer Tutor

Tutored fellow students in one-on-one settings to facilitate their learning and understanding of calculus, linear algebra, and general and organic chemistry.

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EDUCATION

2012 – 2016 **Purdue University**
PHD – CHEMICAL ENGINEERING
West Lafayette, IN, USA
2005 – 2012 **Brigham Young University**
BS – CHEMICAL ENGINEERING
Provo, UT, USA
2005 – 2007 **Brigham Young University**
MINOR – MATHEMATICS
Provo, UT, USA

PUBLICATIONS & PRESENTATIONS

2013 **ICSP 2013 (Invited Speaker)**
The Integrated Warehouse Inventory-Transportation Problem: A Stochastic Integer Quadratically Constrained Programming Approach

CERTIFICATIONS & TRAININGS

2013 **AnyLogic**
Fundamental & In-Depth Training
2012 **LabVIEW**
Fundamental Training
2006 **CRLA Tutor Certification**
Level 1 Certified

COMMUNICATION SKILLS

ENGLISH Native speaker
SPANISH Oral & written fluency

SOFTWARE SKILLS

ADVANCED Python, Linux, BASH, MathCad
INTERMEDIATE Pyomo, \LaTeX , Gurobi, VBA, LabVIEW, Windows, AnyLogic
BASIC Java, CPLEX