Christopher D. Hagmann

Curriculum vitae

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Work Experience

Purdue University 2012 – Present

Graduate Research Assistant

Researched optimal system designs via stochastic disjunctive programming for warehouses in supply chain networks.

Air Force Summer Faculty Fellowship Program Summer 2015

Graduate Research Assistant

Developed efficient code to explore a design space of a simulation for the MindModeling@Home project using statistical methods.

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 – 2014

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.

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.

Education

2012 – 2015 **Purdue University**
MS – 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

2014 **INFORMS 2014 (Invited Speaker)**
The Stochastic Warehouse-Inventory-Transportation Problem: A Branch-and-Bound Method for Stochastic Integer Bilinearly-Constrained Programs

2014 **INFORMS 2014**
Building Perfect Tournament Brackets with Data Analytics

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