

# Christopher D. Hagmann

## *Curriculum vitae*

### WORK EXPERIENCE

Purdue University 2012 – Present  
*Graduate Research Assistant*

Develop optimal system design via stochastic disjunctive programming.

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.

1559 W 350 N Apt 10  
West Lafayette, IN 47906  
+1 (210) 860 - 2966  
cdhagmann@gmail.com  
cdhagmann.github.io

### 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

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, ~~Matlab~~  $\LaTeX$ , Gurobi, VBA, LabVIEW, Windows, AnyLogic

BASIC Java, CPLEX