

Alex D. Molnar

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Mission

Living fully, acting intentionally: Giving each breath the potential to make a positive contribution. Where success will be celebrated and shared; failure will be embraced with resilience and determination; and connections with others will be fostered and cherished. Using my knack for curiosity, creativity, and analysis, I will strive to make meaningful contributions and improvements while empathizing and collaborating with others. Having an appreciation for diversity and ambition to create a space for those who surround me where bravery is encouraged, taking risks is the norm, and providing critical feedback is valued: a space where others can strive to become their best selves.

Education

Ohio University | Athens, Ohio

Pursuing Master Degree of Science in Engineering
Industrial and Systems Engineering
Expected Graduation: December 2017

Master Degree of Education

College Student Personnel
Degree Awarded: 28 April 2017

Ohio University | Athens, Ohio

Bachelor Degree of Science in Engineering
Industrial and Systems Engineering, Summa Cum Laude
Mathematics Minor
Cumulative Grade Point Average: X.XXX
Degree Awarded: 02 May 2015

Experience

Department of ISE | Athens, Ohio

Graduate Assistant January 2017–Present
+ Assist with Lean Manufacturing and Service Systems and simulation courses preparation and instruction
+ Grade student submissions for courses
+ Research 6S and the affect of implementation in personal office workspace (thesis project)

Honda North America, Inc. | Marysville, Ohio

Co-Op, Technical Development Center May 2017–August 2017
+ Assisted in process of knowledge transfer from experienced associates to standardized educational experiences
+ Defined and synthesize course objectives, outline, content, and delivery
+ Collaborated with subject matter experts, consult existing material, and research external sources to understand a Honda-specific resource and investment principle mindset
+ Facilitated weekly meetings to obtain feedback and incorporate guidance into future work (PDCA)

The Athena Yearbook | Athens, Ohio

Editor-in-Chief 2011–2017
2014–2017
+ Led a group of students to produce the official Ohio University yearbook, with an annual print distribution of ~3,000
+ Guided and motivate executive team of 5 to produce a free-of-charge, photo, magazine-style book for OHIO students
+ Directed production of book via design, logistics, production, and printing, as well as other related activities (e.g. funding)

Learning Community Programs | Athens, Ohio

Graduate Assistant Supervisor 2015–2016
Fall 2015, 2016
+ Supervised 38 peer mentors in their efforts to help students have a successful transition to Ohio University
+ Led weekly team supervision meetings to educate supervisees on the first-year experience

Present
+ Facilitated discussions in weekly team meetings with supervisees to promote life-long learning and increased understanding of self
+ Supported peer mentors with student concerns

Graduate Assistant Summer 2016
+ Assisted enrolling students into respective course through a complex system
+ Answered and directed questions from orientation attendees
+ Navigated complex scenarios with course enrollment issues through collaboration and problem-solving skills

Graduate Assistant Spring 2016
+ Co-instructed an introductory course to the university experience with 1 other instructor, 7 students, and 1 peer mentor
+ Co-supervised peer mentor in programming efforts to help students be successful at Ohio University
+ Analyzed data to help promote the advancement of the Learning Community Programs (e.g. the effect of instructor status on student success)

Bobcat Student Orientation | Athens, Ohio

Orientation Leader 2015
June 2015
+ Led welcome session as master of ceremonies, ~500/session
+ Orientated students and their families to the Ohio University experience
+ Led small group sessions related to campus climate, resources, academic advising, and student life on campus
+ Assisted faculty advisors during student class registration

University Program Council | Athens, Ohio

President 2011–2015
2014–2015
+ Led council of volunteer students to provide all OHIO students with “something to do” on campus through programming
+ Guided and inspired an executive team of 22 and council of 50

- + Delegated tasks to team members while providing guidance, feedback, and learning opportunities
- + Provided opportunities for leadership and professional growth

- Treasurer 2013–2014
- + Responsible for all monies in the organization, a budget greater than \$100,000.00
- + Designed, maintained, and distributed budget
- + Allocated monies to organization committees
- + Provided guidance for overall success of the organization
- + Facilitated outreach to other organizations on campus

Abridged Experience

Ohio University | Athens, Ohio August 2012–May 2013
Resident Assistant, Residential Housing

City of Columbus | Columbus, Ohio Summer 2012, 2013
Student Worker, Department of Public Utilities

TJ Maxx | Grove City, Ohio Seasonal 2013, 2014, 2015
Sales Associate

Graeter's Ice Cream | Grove City, Ohio 2009–2011
Team Leader 2010–2011

Conferences

IISE Annual Conference 2017
Co-Presenter
"Validation of Experiential Learning in Lean"

First-Year Experience 2016
Co-Presenter
"Increasing student success and retention for first-year engineering students"

Projects

Experiential Learning in Lean Class Present
In-progress.
A study on the effect of student knowledge retention and performance with regard to educational instruction with experiential learning, lectures, and/or homework.

VSM of OHIO ISE Graduate Application Process 2016
Completed.
Co-facilitator in production of a current value stream map of the application process for the graduate programs offered by the industrial and systems engineering department at OHIO.

The Influence of 6S on Workplace Productivity, Satisfaction, and Happiness (thesis project) Present
In-progress.
Master's thesis investigating the influence of personal office workspace organization, using 6S, on workplace productivity, satisfaction, and happiness.

Lean Workshop 2015
Completed.
Co-facilitated a workshop to provide Lean methodology, vocabulary, and skills to a variety of individuals at OHIO.

Lean Principles in OHIO Housing and Residence Life 2016
Completed.
Initiated a Lean investigation of the department in regard to residence hall renovation and construction. Made a value stream map to highlight improvement opportunities.

Improving Student Information and Data Collection Processes for Services Provided by MVESC 2015
Completed.
Proposed a process to improve the collection of student attendance data by the use of standardized spreadsheets and processes, using Lean and 6 Sigma principles.

Simio Student Simulation Competition – Airplane Production 2016
Completed.
Constructed Simio Simulation model with a partner to the project specifications of an airplane production facility and adapted the model to investigate additional capacity.

Allen Bradley Operating Room Student Simulation Competition 2014
Completed.
Constructed Arena simulation model with a partner to the project specifications of a hospital and suggested improvements of scheduled resources.

Awards & Honors

ISE Advisory Board Graduate Student Member Present
Outstanding Senior ISE Student, Ohio University April 2015
2ND Place at OHIO Research and Expo Fair, Ohio University April 2015
Outstanding Junior ISE Student, Ohio University April 2014
Outstanding Achievement in Advanced Simulation, Ohio University April 2014
1ST Place at OHIO Research and Expo Fair, Ohio University April 2014

Present
April 2015
April 2015
April 2014
April 2014
April 2014

Software Knowledge

(including, but not limited to)
Microsoft (Word, Excel, PowerPoint, Outlook, OneNote, Vizio, Access, OneDrive)
Google (Calendar, Mail, Docs, Drive)
Windows OS

Apple iOS and OS
Adobe Suite (InDesign, Acrobat, Illustrator, Photoshop, Bridge)
Arena Simulation
Simio Simulation
Auto CAD