

Stephen Alan Hassler

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Education

Stanford University

MS, Management Science & Engineering (with Operations Management and Energy concentrations), 2012, GPA: 3.73

University of Nebraska

BS, Industrial & Management Systems Engineering (with Business minor), 2009, GPA: 3.88

Experience

- 2012 **NEC China (Beijing Laboratories), Summer Analyst**
Served as the in-house, business-side analyst for laboratory's "green technologies" research team. Specifically, tasked with exploring domestic opportunities in China for NEC's proprietary energy efficiency algorithms. Extensively surveyed the smart grid industry – of China and internationally – prior to independently developing domestic market size estimates, lists of prospective domestic partners, competitive analyses, and strategic recommendations. Also hosted seminars, open to all laboratory employees, to discuss best practices of public speaking, presentation, and slideshow creation.
- 2010-2011 **Mayor's Office (City of Lincoln), "Lincoln Energy Challenge" Program Coordinator**
Contracted to coordinate a stimulus-funded, city-wide residential energy efficiency program for the municipality of Lincoln, Nebraska (population 260,000). Managed the day-to-day operations of a \$125,000+ program that ultimately involved 1,915+ participating households, 300+ home energy audits (120+ of which I performed), substantial lighting retrofits, educational seminars, grassroots outreach & engagement events, and marketing efforts that included social media and televised advertisements. Program directly yielded energy savings equivalent to the removal of 22-24 typical Nebraska homes from the City's electric grid.
- 2008-2009 **NUtech Ventures (formerly U of N's Office of Technology Development), Intellectual Property & Licensing Intern**
Investigated state of the art research, working closely with faculty from a range of scientific fields. Examined prior art – academic manuscripts and intellectual property or "IP" – to assess patentability. Conducted marketing campaigns to assess commercial viability and find potential licensees. Served as the initial liaison from the University to top-level management at dozens of companies. Implemented confidentiality agreements with industry contacts to safeguard sensitive information. Regularly presented findings to a committee to assist with development of an IP protection strategy.
- 2007 **Lincoln Industries, Project Engineer Intern**
Worked in a versatile role to assist a director and several Project Managers integrate a new company project – the largest to date – into regular operations. Spent most of the time on the move due to time constraints, communicating with an assortment of personnel to acquire and deliver information and to coordinate the efficient routing of parts. Developed a functional knowledge of an intricate, large-scale project (\$20m projected annual sales). Gained invaluable, hands-on industrial experience while working with enterprise resource planning (ERP) software, nickel-chromium electroplating, cellular manufacturing, and packaging processes.

Activities

- Energy industry involvement at Stanford: Consulting at electric vehicle (EV) maker Tesla Motors (sustainable mfg.) and Silicon Valley EV charging infrastructure startup EverCharge (marketing plan), home energy monitoring business concept ("Magne Watt") pitch to angel investors, solar technology climate policy coursework, industry & technology seminars
- Alpha Pi Mu Industrial Engineering Honor Society – Nebraska Chapter
- U of N Honors Program: Undergraduate Honors Thesis, "An Assessment of an Ultrasonic Vibration-Assisted Pelletizing Technique for Biomass Feedstock Considering Both Economic Viability and Patentability Issues" and Senior Design Project, "Restoration of One-Piece Flow to Lincoln Industries"
- AmeriCorps, City of Lincoln Mayor's Office, Stronger Safer Neighborhoods Initiative (SSN): Worked with SSN to revitalize Lincoln's most blighted inner-city areas. Typical activities ranged from assisting the preparation of marketable community development plans to organizing volunteer projects to coaching afterschool basketball at targeted elementary schools.
- U of N Undergraduate Creative Activities and Research Experiences (UCARE): Research Funding for "Ergonomic Neutron Detector Development for First Responders"
- American Leadership Academy at Los Cabos, Mexico (Spring 2008)
- Phi Kappa Psi Fraternity – Nebraska Alpha Chapter: Popularly elected to serve as Treasurer for a 70 member organization. Controlled organization financial policy. Individually managed all assets, executed all monetary transactions, and prepared all tax documents. Planned for expenses by proposing a budget for annual revenues of \$200,000. Directed some activities and all expenditures of one full-time, resident employee – House Director. Served as the account manager for and primary contact to all of the organization's numerous service providers.

Registrations

- The State of Nebraska Board of Engineers and Architects, Engineer Intern, Certificate Number EI-9056
- Building Performance Institute, Inc. (BPI), Building Analyst (Expires February 2014), BPI ID# 5024828

Computer Skills Office suites (Google Docs, Microsoft Office), customer relationship management (Salesforce.com), professional networking & social media (Facebook, LinkedIn, MySpace, Twitter), videoconferencing (Mikogo, Skype), weblogs (Blogger, WordPress), academic research (EBSCOhost, Google Scholar, etc.), patent mining (Google Patents, USPTO Web Patent Databases), computer aided design (AutoCAD, SolidWorks), discrete event simulation/optimization (Microsoft Excel, SIMUL8, TORA), facilities planning (BLOCPLAN), probability & statistics packages (SPSS, Excel), and decision analysis (Excel)