

Observe

Ask

Discover

Amelia Fish

Innovate

Create

Repeat

● Education

Northwestern University

M.S. Engineering Design and Innovation

Evanston, IL | December 2016

- **Honors and Awards:** James Dyson Foundation Scholarship
- **Proctor and Gamble:** Compensated for IP on a confidential design project for Proctor and Gamble

Bucknell University

B.S. Mechanical Engineering, Physics

Minor, Cum Laude | Lewisburg, PA | 2012

- **Honors and Awards:** Dean's Scholarship, William H. Smith III Scholarship, Richard G. McGinnis International Engineering Study Scholarship, Mortar Board, Sigma Pi Sigma physics honor society, Alpha Lambda Delta
- **Engineering in a Global & Societal Context** | United Kingdom | 2011
Explored the impact of tradition and political, financial, and environmental factors on engineering in the United Kingdom
- **Institute for Leadership in Technology & Management** | Lewisburg, PA | 2010
Designed an online community to foster growth within Fil-Tec Inc.'s quilting threads division, while learning about business innovation, branding, leadership, team work, globalization, and communication

● Skills

Rapid Prototyping, SolidWorks, Adobe Photoshop, Illustrator, and InDesign, Arduino, Siemens PCS7, MATLAB, Visio, Basic Web Development

● Employment Experience

Air Products & Chemicals

Production Engineer | Los Angeles, CA | 2015

Developed a new web tool to display plant data in a more user friendly format and managed stable operations efforts

Career Development Program (CDP) | 2012 - 2015

A three-year engineering rotational program

- **Global Operations Excellence Team** | Allentown, PA
Improved functionality of the hydrogen plant training simulator utilizing input from operators and observations from plant startups
- **Production Engineer** | Los Angeles, CA
Collaborated with plant staff to streamline work processes, implemented automation strategies to replace tedious tasks and improve plant efficiencies, and troubleshoot plant issues
- **Mechanical Equipment Design** | Allentown, PA
Created mechanical specifications and drawings to optimize costs while considering ease of operation and manufacturing

Engineering Intern | Allentown, PA | 2011

Analyzed life cycle costs of the combustion burners in the hydrogen plant fleet and modeled a hydrogen liquid carrier to enable 3D-printing for marketing purposes

● Hobbies

Skiing, hiking, traveling, cooking and trying new foods, tennis, golf, photography, and experiencing different cultures

● Leadership and Community Outreach

Till School Facilitator | Chicago, IL | 2015

Led a small group of high school students through the design process tackling the question, "How might we make the in school experience more delightful?"

Air Products & Chemicals CDP Council | 2012 - 2015

- **Co-Chair & Chief Financial Officer** | 2014 - 2015
Managed the CDP Council's budget and event planning
- **Field Representative** | 2013 - 2014
Connected CDPs in the field with those at headquarters
- **Activities Committee Chair** | 2012 - 2013
Planned networking, volunteer, and social events

American Society of Mechanical Engineers | 2008 - 2012

- President | Vice President | Class Representative

Bucknell University Ski Team | 2008 - 2012

Society of Women Engineers | 2008 - 2012

- Community Outreach Committee

Microfinance Initiative at Bucknell | 2009 - 2012

- Secretary | 2010 - 2011

Kappa Alpha Theta | 2009 - 2012



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