

# Stuart Helgeson

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## Education:

**University of Pennsylvania, School of Engineering and Applied Sciences**, Philadelphia, PA Candidate  
**Bachelor of Science in Engineering, Mechanical Engineering & Applied Mechanics**, May 2016

**GPA:** 3.25/4.00 **Concentration:** Product Design and Innovation **Minor:** Mathematics

**Relevant Courses:** Mechatronics, Statics, Dynamics, Strength of Materials, Thermodynamics, Fluid Dynamics,  
Intro to Mechanical Design, Machine Design and Manufacturing

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## Experience:

**Freelance Product Designer** (2014-Present): Recommended by professor to partner with Vet Student seeking engineer to bring idea to life (<http://www.google.com/patents/US8464662>)

- Worked with client to bring idea to life
- Combined mechanical, electrical and design skills to develop a working prototype of device
- Devised way to automate device
- Ordered and documented all purchases necessary for project
- Produced video demonstrating product (<https://www.youtube.com/watch?v=psYLU3osgQ>)

**Sales Representative, Vector Marketing** (June 2012 - August 2012): Sold Cutco kitchen products

- Networked and made calls to set up appointments for potential customers
- Presented products in approximately 30 customers' homes
- Promoted twice for sales (sold over \$9,000 in products)

**Warehouse Worker, School Specialty** (June 2012 - August 2012): Worked in a school supply warehouse

- Fulfilled, packaged, and shipped school supply orders

**Sales Associate, Abercrombie & Fitch** (June 2012 - August 2012): Retail sales associate

- Greeted and helped 100 customers a month
- Worked register, handled transactions average \$500 per week
- Broke down the store (organized and inventoried merchandise)

**Crew Chief, Bernieri Construction** (2009-2011): Worked three summers doing contracting work

- Started as laborer and worked up to crew chief
  - Performed demolition, masonry, kitchen renovation, home renovation, and landscaping
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## Leadership/Activities:

- **Captain, Penn Varsity Sprint Football** (2015): 3 Year Varsity Starter at Defensive Back
  - **Hexagon Senior Society** (2015): Give tours to interested students of the engineering facilities
  - **Phi Delta Theta, Pennsylvania Zeta Chapter Member** (2014)
  - **UPenn Club Rugby Member** (2014)
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## Awards:

2nd Team All-CSFL Defensive Back 2014, 1st Team All-CSFL Defensive Back 2013

Robert J. Mongeluzzi Award for Outstanding Defensive Back 2013

Academic All-American, Lacrosse, 2012

National Honor Society 2011-2012

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## Skills:

- Solid modeling (SolidWorks, Inventor, AutoCad), Rapid Prototyping (3D Printing, Laser Cutting), Manufacturing (Metals, Composites, Wood), Design (Adobe Creative Suite)
- Programming Languages: Matlab, C, HTML, CSS, JavaScript