

# Wanda Wildcat

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## EDUCATION

### Northwestern University, Evanston, IL

Robert R. McCormick School of Engineering and Applied Science

**Bachelor of Science** in Chemical and Biological Engineering

June 2013 (anticipated)

*Minor:* Biotechnology and Biochemical Engineering

Current GPA: 3.5/4.00

### Nordstrom High School, Nordstrom, CA

2005-2009

National Science Olympiad, Semi-Finalist

## EXPERIENCE

### Oloroso Healthcare, Chicago, IL

June 2011 – present

*Co-op, Device Engineering – Renal Home Therapies*

- Work as a systems engineer to bring a Home Hemodialysis System to market
- Produce a variety of engineering content, including test method validations, to ensure compliance with FDA regulations
- Create risk management material and perform materials studies to determine gaps in compliance
- Identify device error root causes to assist with system debugging efforts
- Perform integration and verification testing

### The Professor's Lab, Northwestern University, Evanston, IL

February 2010 – present

*Research Assistant*

- Develop orthogonal protein translation systems involving pre-translational phosphorylation in *E. Coli* to research microtubule degeneration in neurons, a process commonly associated with Alzheimer's and dementia patients
- Assist PhD students and post-doctoral researchers with cell-free protein synthesis research involving Multiplex Advanced Genomic Engineering of *E. coli*

### Design Thinking and Communication 1&2, Northwestern University

January 2010 – June 2010

*Student*

- Conceptualized, built, and pitched an inexpensive, waterproof, and universal cell phone case in a collaborative 4-person team environment with shared communication and design leadership roles
- Designed, constructed and presented to a large audience, with a team of four peers, a product to help a blind woman discern the color of her clothing

## ACTIVITIES

### American Institute of Chemical Engineers

December 2011 – present

### Engineers for a Sustainable World

October 2011 – present

- Aided in the initiation of a business plan for Solid State Shear Pulverization, an experimental polymer recycling method in development at Northwestern University
- Worked closely with industry advisors to perform benchmarking and market research

### Alpha Beta Fraternity, Delta Gamma Chapter

March 2010 – present

- Plan and execute brotherhood events as a committee chair, including retreats
- Assisted in a re-chartering petition, working closely with other members of the executive board and advisors to ensure information was accurate and that the chapter was represented well
- Engage with peers and promote events using the chapter's social media outlets

### Northwestern Club Sports Team

October 2009 – present

- Promote and fundraise for a variety of events, and facilitate team sponsorships by networking with outside organizations and industry representatives
- Manage social media accounts in an effort to promote team activities
- Play competitively throughout the Midwest

## SKILLS

### Laboratory

- Crafting various forms of *E. coli* media in agar and liquid form
- Transforming then culturing bacteria colonies with specifically mutated plasmids
- Purifying, ligating and gel sequencing DNA sequences

### Computing

- Coding in MATLAB and Python
- Using Microsoft Office
- Designing websites with WiX