

Nadhipat "Ebay" Vaniyapun

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EDUCATION

Northwestern University, Evanston, IL

Bachelor of Science in Manufacturing & Design Engineering, GPA:3.35

June 2015

Minor: Materials Science, Certificate: Leadership

Relevant coursework: Human Centered Design, Interdisciplinary Design Projects, Industrial Design Projects, Electronics Design, Intellectual Property & Innovation, CAD/CAM, Production Planning & Scheduling, Quality Improvement by Experimental Design, Materials Selection, Intro to C++, Manufacturing Engineering Design

ENGINEERING DESIGN PROJECT

Client: Newell Rubbermaid (Sponsored project, 5-Person Team)

Fall 2014

- Project under further development and integration at Newell Rubbermaid
- Create a new line of safety equipment for the construction tools sector
- Team lead, interviewing, prototyping, presentation

Client: Sintact Medical Systems (4-person flat team)

Winter 2014-Spring 2015

- Create a removal tool for a minimally invasive operation to remove adhesion barriers.
- Project instrumental in obtaining NSF and SBIR grants for Sintact.
- Literature and patents research, mechanical design, validation, prototyping

Client: Manufacturing Engineering Design Class (4-person flat team)

Spring 2015

- Completely reverse engineer and manufacture the Bionic Wrench
- Materials selection, CAD, manufacturing process design
- All time record holder, beating previous record by 40%

Client: Center for Neighborhood Technology (5-Person Team)

Fall 2013-Winter 2015

- Create an aesthetically appealing rug that protects large household items from water exposure
- Data analysis, prototyping

Client: Human Centered Design class (4-person flat team)

Fall 2014

- White space consumer product- a disposable razor that dispenses shaving cream during the shave
- Patents research, mechanical design, prototyping

Client: Intellectual Property & Innovation class (4-person Team)

Spring 2014

- Draft a provisional patent for my personal project

WORK EXPERIENCE

Q&Q Holding Co., Ltd, Bangkok, Thailand

Project Engineer Intern

June 2014-September 2014

- Design, color match and manufacture rubber soles
- Coordinate with China branch
- Advise purchasing of new machines

Technical Sale Support Intern

May 2012- July 2012

- Assist sales agent with technical details, gave product recommendations based on customer's needs.
- Organize and staff the company booth at the 2012 Bangkok International Fashion Fair

COMMUNITY INVOLVEMENT:

Engineering Club President (2 years)

2009-2011

- Project leader for a therapy walker project featured on the Boston Globe and MAKERFaire 2011
- Recruitment, project scoping, project leadership, fundraising

LEADERSHIP POSITION:

Design for America

- Project lead
- Executive committee member

Winter 2014-Fall 2014

Fall 2013-Fall 2014

Thai Student Association

- Vice president
- Fundraising chair

Fall2013-Spring 2015

Fall2012-2013

Solar Car mechanical-electrical team liaison

Fall2012-Fall 2015

SKILLS

Visualization: Nx, SolidWorks, Adobe Illustrator, Corel Draw, Photoshop

Manufacturing/prototyping: prototyping, machining, CNC, 3D printing, injection molding

Analysis: Minitab, ImageJ, Matlab, C++,FMEA, DOE, GD&T, patenting

Operations: Forecasting, operations managements & optimization

Languages: Bilingual English & Thai, Conversational Mandarin & Spanish.