

WORAWICH CHAIYAKUNAPRUK

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OBJECTIVE

To apply my extensive aerospace engineering skills to a summer internship or co-op

EDUCATION

The Pennsylvania State University College of Engineering
Bachelor of Science in Aerospace Engineering
• Cum. GPA: 3.30 / 4.0

University Park, PA
Anticipated May 2017

WORK EXPERIENCE

Teaching Assistant: Engineering Design Lab (SolidWorks)
Department of Engineering
• Assisted student with difficulties using SolidWorks
• Tutor and answer student questions in and outside of the classroom

University Park, PA
2014-2015

Composite Manufacturing Intern
Neotech Composite Co., Ltd.

Bangkok, Thailand
Summer 2014

- Assisted the manufacturer in polymers and composite materials industry using different kind of processing including RTM, hand lay-up, vacuum infusion, spray up, and pre-preg

KEY PROJECTS

Sailplane Design: Penn State's HPA Honors Program funded by NASA

2014-2015

- Design and develop airplane wings in a team
- Utilize aerospace and material structure knowledge to minimize weight while enhancing the wing's structural strength.
- Accumulate practical airplane design experience and master the skills of preparing and utilizing different kind of materials including carbon fiber, fiber glass, and epoxy

Engineering Design: ALCOA Innovation Sustainability Project

2013

- Innovated a new sustainable and environmental-friendly water treatment system using aluminum nanoparticles and biological materials (finalist in ALCOA case competition)

EXTRACURRICULAR ACTIVITY

American Institute of Aeronautics and Astronautics (AIAA): Member

2015

American Helicopter Society (AHS): Member

2014-2015

Thai Student Association at Penn State: Information Technology Director

2013-2015

- Organize logistics planning for association's events
- Developed association annual report and budget plan
- Acted as association main photographer

Volunteering for THON canning team, Philadelphia area

2014

Music Achievements: Director of horn and mellophone section in many bands

2006-2012

- Gold and silver medals from the National Symphonic Band Royal Competition for King's Trophy
- Invited to represent Thailand in International Marching Band Showcase in South Korea
- Invited to be part of the King's Celebration

SKILLS

Computer Programming: SolidWorks, AutoCAD, DataStudio, MATLAB, HTML, C++, Pascal, Microsoft Office, Adobe PS/AI/LR/PR/DW, Sony Vegas Pro, Final Cut Pro, Sibilus, Guitar Pro
Presentation: Engineering Report, Engineering Presentation, Effective Writing, Public Speaking
Fluent in Thai and English