

Tae Hoon Kim

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OBJECTIVE To obtain a Mechanical Engineering internship with BMW Manufacturing Corp. to utilize my project experience and technical skills while gaining valuable work experience in a team oriented environment.

EDUCATION **Bachelor of Science, Mechanical Engineering**, expected graduation: May 2015
Virginia Tech, Blacksburg, VA
Overall GPA: 3.15/4.00 In-major GPA: 3.09/4.00
Associate of Science, Engineering, May 2012
Northern Virginia Community College, Annandale, VA

WORK EXPERIENCE

Co-op, Locomotive Engineering, Norfolk Southern Locomotive Shop, Bellevue, OH: August 2013 – December 2013

- Utilized Autodesk Inventor Professional to design shadow tool boards, and room extensions.
- Learned Microsoft Access and applied it to develop a database for shop gauges and calibration.
- Developed standard documents for the tool and machinery guide.
- Worked with group leaders and supervisors on shop projects.
- Presented the process of on-going projects during shift turnover meetings.

PROJECT EXPERIENCE

Hybrid Electric Vehicle Team (HEVT) – EcoCAR 2 Competition: January 2014 - Present

- Volunteering in Mechanical and Control Sub Teams.
- Assisting the team in utilizing a 2013 Chevrolet Malibu to reduce the environmental impact without trade-offs in performance, safety, and consumer acceptability.

LEADERSHIP

Team Leader, Introduction to CAD/CAM: Roller Coaster Seat Design Project, January 2014 – Present

- Used NX to design 3D model of Roller Coaster Seat which delivers safety, environmental friendly materials, and a comfortable ride to anyone.

Team Leader, Engineering Design & Economics: Hitch Insert Device Project, Spring 2012

- Worked in a group of three to plan and develop everything to create a hitch insert device except physically manufacturing the project.
- Used Microsoft Project to plan and report the project, and Autodesk Inventor was used to create 3D CAD models, and to test stress analysis.

EXTRACURRICULAR ACTIVITIES

- SASE (Society of Asian Scientists & Engineers): Spring 2014 - Present
- Pi Tau Sigma (Mechanical Engineering Honor Society): Spring 2013 – Present
- KSEA (Korean-American Scientists and Engineers Association): Spring 2013 - Present

LANGUAGE & SKILLS

- Autodesk Inventor, NX, PTC Pro/E, CATIA
- Microsoft Access, Excel Macros, Visio, Project
- MATLAB, Simulink, LabVIEW, C++
- Fluent in Korean
- Permanent Resident (US Citizenship Expected: April 2014)

RELEVANT COURSEWORK

- Dynamic System Vibrations
- Heat & Mass Transfer
- Fluid Mechanics
- Thermodynamics
- Industrial Electronics
- Intro to CAD/CAM
- Mechanical Design