Shuyao (Vera) Fan

Address: 16 Oak Knoll Drive, Matawan NJ 07747
Email: shuyao.fan@gmail.com **Cell:** (732)-331-2663

EDUCATION

Rutgers University, New Brunswick Campus, NJ Graduated in May 2013
BS, Materials Science and Engineering (Graduated with High Honor)
GPA: 3.4

SKILLS

- Technical: Advance Microsoft Office (Excel, Access, Word, PowerPoint), Solid Works (CAD), MatLab
- Language: Bilingual in English and Mandarin Chinese

WORK AND RESEARCH EXPERIENCE

Technical Writer **for Johnson & Johnson Consumer and Health Care via C&G Consulting** Oct 2013 – July 2014
J&J Raw Material Center, Morris Plains, NJ

- Created and revised raw material specifications requested by Quality Assurance, Technical Assurance, Procurement, External Manufacturing Sites and Third Party Vendors.
- Ensured Raw Material (RM) template is accurately completed in accordance to the J&J guidelines established before submitting for internal approval.
- Evaluated impact of changes and accurately communicated risks and requirements to the J&J Global Change Control approver.

Senior Project **for Rutgers University AMIPP Center** Jan 2013 - May 2013
Recycling of Post-Consumer Containers into Construction Materials, Piscataway, NJ

- Studied how fiberglass length and chemical composition affect the impact resistance in High Density Polyethylene and Polystyrene composite material by performing ASTM D256 impact test.
- Utilized Impulse Data Acquisition software to collect data and used Excel to analyze the obtained data.
- Maintained a comprehensive lab notebook and presented the results to the class of 30 people.
- Researched relevant literatures and viable future construction applications.

Product developer Co-op **for Kimberly Clark** Aug 2012 - Dec 2012
Corporate Research and Engineering, Neenah, WI

- Supported Kimberly Clark's Family Care Department on developing more cost effective and more robust disintegrated moist wipes.
- Produced the wipes in a lab scale to imitate the same processing condition and procedure as in the pilot plant.
- Performed tensile strength test on the new and used wipe to gather strength data of the material and utilized Excel to analyze the data.
- Studied how polymer additive affects robust disintegration of post use wipe.
- Developed techniques and skills to operate and maintain department equipment.
- Presented the research findings in a meeting of 50 people and concluded results in a company journal.

HONORS AND AWARDS

- Leroy W. Allison Ceramic Scholarship, Spring 2012
- Student Excellence Scholarship from *Corning Incorporation*, Spring 2011
- Dean's List since January 2010

ACTIVITIES

- Full Member, Ceramic Association of New Jersey [CANJ]
- Secretary, Keramos Rutgers Chapter – The American Ceramics Society, 2010 - 2011