

Andrew Ianlo

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OBJECTIVE

To obtain a Master's degree in Materials Science and Engineering at Purdue University

EDUCATION

Purdue University, West Lafayette, IN

Expected graduation December 2018

Master of Science in Materials Science and Engineering

Purdue University, West Lafayette, IN

May 2017

Bachelor of Science in Materials Science and Engineering

GPA = 3.54/4.00

Diablo Valley College, Pleasant Hill, CA

August 2014

GPA = 3.80/4.00

PROFESSIONAL WORK EXPERIENCE

Artisan and Fabrication Lab Graduate Teaching Assistant, West Lafayette, IN

June 2017 – Present

- Facilitate the machining lab by ensuring proper procedures and protocols are enforced
- Teach students to handle various machines such as CNC mills, lathes, and gantry for their research projects
- Educate clients and undergraduate teaching assistants in computer-aided manufacturing skills

RESEARCH EXPERIENCE

Injection Molding and Additive Manufacturing of Boron Carbide, West Lafayette, IN

January 2017 – August 2017

- Prepared boron carbide suspensions for injection molding and characterization
- Utilized SolidWorks to design various production molds using additive manufacturing
- Created an informative video to showcase the process and findings of the project to the student body

Impact of Use on Reusable Masking Materials for DePuy Synthes, West Lafayette, IN

August 2016 – May 2016

- Designed near-net-shape reusable masks
- Investigated potential masking materials that have high resistance to chemical and physical degradation
- Conducted experiments on varied materials to determine their cost effectiveness based on their initial cost and lifespan

Chromium Coatings for Aeronautical Applications, West Lafayette, IN

August 2016 – December 2016

- Performed mounting, polishing, and characterization of steel samples prior to coating
- Analyzed and prepared solutions of different compositions for the coating
- Sputter coated the varying coating compositions onto the steel samples

LEADERSHIP/ COMMUNITY SERVICE EXPERIENCE

Head of Logistics for Lafayette City Blessing Church, West Lafayette, IN

August 2015 - Present

- Coordinate social events for church members
- Oversee the rundown of church services weekly

Head of Public Relations for Indonesian Student Association, West Lafayette, IN

August 2015 – May 2017

- Led in the communication and assistance of incoming Indonesian freshmen and transfer students
- Organized transportation for the students to attend social events and outings
- Directed and wrote the screenplays for the IndoFest drama performance in 2016 & 2017

Inter-Club Council Representative for DVC Circle K International, Pleasant Hill, CA

August 2013 – May 2014

- Promoted community service events to other organizations and seek potential collaborations
- Volunteered in fund raising activities and events such as Nike Women's Half Marathon

SKILLS

- Programming and Design: Siemens NX, Catia, SolidWorks, MATLAB, Python
- Languages: Fluent in English, Chinese, and Bahasa Indonesia