

# AliAsghar Shamsuddin

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## Objective

I am a graduate of UCR with a B.S. in Materials Science and Engineering with a focus in metallurgy, seeking career opportunities in processing, manufacturing, and/or research and development.

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## Summary of Qualifications

- Experience as a manufacturing engineer, solving and analyzing problems within the manufacturing process.
  - Experience in research, analysis, and mechanical testing.
  - Hands-on team projects involving design, process, testing, and analysis.
  - Extensive customer service, teamwork, and communication experience with peers and management.
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## Education

### University of California, Riverside

Bachelors of Science in **Material Science and Engineering**, June 2016

#### Relevant Courses:

- |                       |                                  |   |
|-----------------------|----------------------------------|---|
| • Mechanical Behavior | • Machine Design                 | • Analytical Materials Characterization |
| • Biomaterials        | • Nanostructure Characterization | • Nanotechnology Processing             |
| • Physical Metallurgy |                                  |   |
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## Technical Skills

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|--------------------------------------|---|
| • Mechanical Testing                 | • Lathe and CNC Milling   |
| • X-Ray Diffraction (XRD)            | • Welding   |
| • SolidWorks                         | • Microsoft Office Suite – Word, Excel, PowerPoint, and Outlook |
| • Scanning Electron Microscope (SEM) |   |
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## Work Experience

### Manufacturing Engineer Intern – ITT Interconnect (Cannon) – Irvine, CA

July 2016 – Current

- Conduct studies and propose improvements to the overall process flow and spatial utilization based on Lean Manufacturing principles. In addition, evaluate ergonomics and safety within the Manufacturing operations.
- Perform time studies and update time standards; and create and update documentation for manufacturing standard of work.
- Identify problems with the manufacturing process, and eliminate them by adding thorough inspection and testing during manufacturing process.
- Perform quality inspection and disposition items accordingly as either being able to rework or as scrap.

### Undergraduate Researcher – Dr. Suveen Mathaudhu Research Laboratory

October 2014 – June 2016

- Metallographic sample preparation and characterization of nanostructured metals.
- Processed and tested high-strength and high-toughness nanostructured metallic alloys.
- Processed Fe-Si powders to be used as materials for soft magnets.
- Researched ball milling parameters of Fe-Si and other alloys.
- Designed and maintain the research group website [<http://www.smathaudhu.com>].
- Researched and presented the use of Ultrasonic Nano-crystalline Surface Modification technique for processing metallic materials.

### Senior Project: Device to Open Ball Milling Vials

January 2016 – June 2016

- Designed a device that can safely open ball mill vials, and can operate inside a glove box by researching factors that affect pressure build-up inside the vials during the milling process.
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## Activities

### President, Material Advantage, University of California, Riverside

August 2015 – June 2016

- Founded and managed activities for a new chapter of Material Advantage at UCR.
- Planned and participated in quarterly industrial field trips and host monthly guest speakers who discuss how their engineering degree translates into their careers.
- Maintained relationships with Orange County and Los Angeles chapters by attending meetings and lectures
- Planned collaborative events with American Society of Mechanical Engineers chapter at UCR.
- Established volunteer outreach events to middle school and high school students relating materials science to comic theory.