

Enrico Hariono

Materials Engineer

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Energetic materials engineering student with an interest in rapid prototyping process. Seeking to use proven process and production design skills to advance manufacturing excellence at 3DMatters. Designed and produced a fingerprint tape casing prototype with a Fused Deposition Modeling (FDM) process for a school research project. The final model was filed for a design patent.

Experience

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|-------------------|---|
| 2018-08 - present | <div>Undergraduate Research Student <i>Nanyang Technological University</i> Designed and produced a fingerprint tape casing with a Fused Deposition Modeling (FDM) process which final model was filed for a design patent</div> |
| 2018-08 - 2018-12 | <div>R&D Intern / Extrusion Engineer <i>3M</i><ul style="list-style-type: none">Improved the characterization process of the polymer additive products by creating an FTIR spectrum library which can be used to characterized an unknown sample. Previously, characterizing an unknown sample was not available.Designed an efficient samples analyzing procedure. Increased efficiency by 25%.Involved in producing blown plastic film sample. Increased samples preparation lead time by 30% and used 10% less raw materials.</div> |
| 2018-06 - 2018-07 | <div>Quality Control Intern <i>The Polyolefin Company</i><ul style="list-style-type: none">Learned the gas phase co-polymerization processLearned to operate various tools for checking the quality of the production lineLearned the different properties between polyethylene and polypropylene</div> |
| 2017-12 - 2017-12 | <div>Engineer Intern <i>PT Panverta Cakrakencana</i><ul style="list-style-type: none">Learned the process of producing blown and cast plastic film and the process of plastic metalizingLearned the function of laboratory tools and steps to use them</div> |

Education

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| 2016-08 - 2020-05 | <div>Nanyang Technological University<ul style="list-style-type: none">B.Eng in Materials EngineeringCGPA: 4.68 from 5.00Excelled in Materials and MechanicsPursued an independent study program in product design</div> |
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Skills

- Proficient in Designing with CAD (Autodesk Fusion360 and AutoCAD)
- Intermediate in programming (C and Python language)
- Intermediate in Editing video (Premier Pro and After Effect)