

Sean Arnold

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MATERIALS PROCESSING AND MANUFACTURING ENGINEER

EDUCATION

M.S. in Materials Science and Engineering, 2019 — University of Arizona, Tucson

B.S. in Materials Science and Engineering, 2016 — University of Arizona, Tucson

WORK EXPERIENCE

Global Solar Energy, 2018–2019

Process Development Engineer

- Encapsulation and Final Product Assembly
- Standard Operating Procedure Development and Maintenance
- Quality Control Implementation and Improvement

Products Development Engineer

- New and Incoming Materials Characterization and Methodology Development
- Product Reliability Testing and Methodology Development
- International and Domestic Material Supply Chain Networking

Technology Transfer Representative

- International Travel and Telecommunication Correspondence
- Collaborative Translation of Standard Operating Procedures and Quality Measures
- Resolving Equipment and Technical Differences Between Manufacturing Facilities

Characterization Scientist

- Polymer Characterization
- Semiconductor Characterization
- Scanning Electron Microscopy
- Development of Lab Procedures and Collaborative Analysis

GRADUATE RESEARCH, 2016–2019

- Electrochemical Characterization and Processing
- Photoelectron Spectroscopy and X-Ray Diffraction
- Chemical Vapor Deposition Semiconductor Processing
- Biomedical Materials Coursework

RELEVANT SKILLS AND PROFICIENCIES

Microsoft Office, Python, FQL, Meeting Organization