

Nicholas A. Smith

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SKILLS

Job Skills

- Design & Validation
- Finite Elemental Analysis (FEA)
- ISO & Safety Compliance
- Manufacturing Specifications
- Product Lifecycle Management (PLM)
- Programmable Logic Controller (PLC)
- Project Management
- Strong analytical skills

Software

- Database: MySQL, Access and Excel.
- Programs: Autodesk Inventor, Solidworks, LabVIEW, teamwork.com, Mathematica and MATLAB.
- Platforms: Windows, and xUbuntu (Linux).

Computer Languages

- Proficient in: MATLAB, PHP, and Python.
 - Familiar with: Mathematica, HTML, Lua, Microsoft Visual Basic, and Java.
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EXPERIENCE

Manufacturing Engineer

04/2016-09/2017

SAS Automation

Xenia, OH

- Created CAD drawings of fixtures for CNC machining, as well as for a laser engraver. This was to optimize work flow and maximize output of parts.
- Product management (data sheets, database entries, product naming, ect.), and R&D of new components.
- Project management: Implemented teamwork.com to create a self-managed ecosystem. Programmed APIs to auto create projects and notify users about the project and key milestones.
- Programmed an on-demand catalog with PHP. Provides more technical details about products and made it easier for customers to read. This reduced marketing spending on updating and designing future catalogs.

Image Analysis

10/2014-08/2016

Wright State Research Institute

Fairborn, OH

- Analyzed data for research by *Air Force Research Laboratory*.
- Self-motivated, minimally supervised environment.

Laser/Optics Engineer Intern

02/2013-06/2013

Air Force Institute of Technology/SOCHE

WPAFB, OH

- Developed and tested new inventory management system using Visual Basic in Excel & MATLAB. This optimized work flow in accessing various optical devices.
 - Assisted in lab research with YAG lasers.
 - Background checked, clearance for restricted areas, chemical training, and laser training.
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ACTIVITIES & AFFILIATIONS

- Association

Student Alumni Association

09/2015-12/2016

EDUCATION

Wright State University

Fairborn, Ohio

12/2016

- Bachelor of Science in Mechanical Engineering