

ADAM M. NIGG

SUMMARY

Current Product Design Engineer and Entrepreneur. Charismatic, personable, detail oriented professional with wide range of skills, from statistical analysis and solid demonstrated engineering problem solving to real world hands-on fabrication and prototyping. Career objectives include maintaining a high value-proposition, continuing to learn new skills and promoting innovation.

EXPERIENCE

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|---|-----------------------------|---------------|
| Jul. 2016- Current | Amni Concept Evolutions LLC | Sutton, NH |
| <i>Proprietor, Product Design Engineer</i> | | |
| <ul style="list-style-type: none">▪ Provide product design services for the consumer products industry▪ Design electro-mechanical automation systems for manufacturing optimization▪ Coordinate vendor activities as needed to adhere to project deadlines▪ Assist clients with difficult CAD modeling projects▪ Perform day-to-day business operations | | |
| 2014- Sept. 2016 | Ruger Firearms | Newport, NH |
| <i>Product Design Engineer</i> | | |
| <ul style="list-style-type: none">▪ Designed and maintained current products and derivatives▪ Provided analysis of firearms for Customer Service▪ Solved complex, unique design-problems with data and statistics driven engineering methods and hands-on fabrication▪ Provided critical project updates to Executives and the Board of Directors▪ Lead and consulted for various project teams | | |
| 2013-2014 | Ruger Firearms | Newport, NH |
| <i>Manufacturing Engineer</i> | | |
| <ul style="list-style-type: none">▪ Solved production problems quickly with root cause analysis and corrective actions▪ Interpreted design drawings to program CMMs for part inspections▪ Generated and edited CNC programs for various machine types▪ Designed and implemented automated production fixtures and gages | | |
| 2012-2013 | Caterpillar, Inc. | Lafayette, IN |
| <i>Intern, Automated Manufacturing</i> | | |
| <ul style="list-style-type: none">▪ Assisted in planning and implementing a multi-million dollar robotic cell<ul style="list-style-type: none">▪ Oversaw design and coordinated installation of dust collection system▪ Managed Continuous Improvement system for two machining lines | | |

2012-2013 Roadworks Manufacturing Lafayette, IN

Prototype Engineer

- Was responsible for designing and prototyping sheet metal and lighting accessories for semi trucks
- Gained hands-on operator and programming experience with laser sheet metal cutting, press brakes, and turret punches
- Integrated Solidworks with design process, assisted other engineers with training

2010-2012 Purdue AFL West Lafayette, IN

Machinist and Fabricator

- Consulted with clients for manufacturability and design requirements
- Programmed and operated CNC equipment
- Programmed and operated waterjet cutting system
- TIG welded mild, stainless steel, and aluminum
- Fabricated motorsports components for Purdue Grand Prix teams using various traditional fabrication tools

SKILLS



- Mechanical: TIG welding, metal fabrication, and machine assembly
- Software: SolidWorks, CeTOL, Minitab, and Microsoft Office
- Programming: CNC, CMM, Python, C++, and Visual Basic

EDUCATION

2009-2012 Purdue University West Lafayette, IN

- B.S. in Manufacturing Engineering Technology

INTERESTS AND ACTIVITIES

- Built sprint cars, midgets, and mini-sprints and raced with USAC, MSCS, and AMSA from 2003-2011
- VP of Purdue Motorsports Association 2009-2011
- Avid Subaru Enthusiast
- Hunted Dall Sheep in Alaska in 2014. Harvested specimen was 36".
- Attended long range marksman course at FTW Outfitters in Barksdale, TX in 2014
- Enjoys hiking and climbing mountains in New England- aspires to try Alpine mountaineering
- Spends spare time working with music production in home studio

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