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**EXPERIENCE**

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**Design Engineer II - Honda R&D Americas, LLC.****May 2019-Present**

- Owns current and next generation Fuel System and Driver Controls vehicle subsystems for Honda ATVs and Side by Sides
- Works directly with test functions to confirm vehicle safety, regulatory compliance, and performance.
- Takes ownership of designs based on customer needs validated through research studies at customer facing events.

**Product Manager, UTV Products - Houser Racing ([Houser-Racing.com](http://Houser-Racing.com))****March 2017-August 2017**

- Took innovative aftermarket products from conceptualization to commercialization, all the way through product life cycle.
- Reverse engineered 3D models of OEM components and mounting points using FaroArm CMM and Autodesk Inventor CAD.
- Invented innovate design process and fixturing method which produced cost effective weldment jigs in 1/3 the time of previous.

**Project Manager: Intern – Arconic Corp.****May 2018 - August 2018**

- Worked alongside senior and new project leaders and compiled a Project Management Guide that aligned Arconic's best-practice R&D management processes and compared our R&D Structure to industry standards to improve project execution
- **Campus Ambassador, University of Pittsburgh:** Assisted in scouting top talent at career fairs; provided recommendations

**Process Engineer: Co-op – Transtar Industries, Inc.****September 2014 - Dec 2014****High Performance Driving Instructor – Pittsburgh International Race Complex****April 2015 - May 2017**

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**LEADERSHIP**

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**Head Engineer: Brake System, Competition/Test Driver – PITT FSAE****September 2012 - April 2019**

- Worked on an interdisciplinary engineering team to develop and build an internationally competitive formula-style racecar.
- Designed in SolidWorks and produced high quality parts using additive and traditional manufacturing processes.
- Competed at 10 international competitions including Formula Student Germany (Hockenheim) and Austria (Red Bull Ring)

**Off-road Race Team Manager: UTV Grand National Cross-Country (GNCC) - Powers Motorsports 2014 - 2018**

- Sole proprietor and owner responsible for routine, meticulous maintenance of vehicle wear components to ensure durability and to maximize performance.

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**ENTREPRENEURSHIP**

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**Co-founder, CMO, COO – Nickel Finance, Inc. [www.Nickelfi.com](http://www.Nickelfi.com)****March 2019 - Present**

- Responsible for customer relations, customer discovery/outreach, financial projections, marketing strategy, business plan.
- Pitches to Investors and produces marketing materials.

**Co-founder, VP Marketing – AdventureHound, LLC.****January 2018 - January 2019****Randall Family Big Idea Entrepreneurship Competition**

- Presented a business plan for "AdventureHound" to renowned Pittsburgh entrepreneurs – Placed 3<sup>rd</sup> and won \$5,000

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**EDUCATION**

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**University of Pittsburgh (PITT), Pittsburgh PA**

Master of Business Administration, Katz Graduate School of Business

**August 2017 - April 2019**

Master of Science in Mechanical Engineering, Swanson School of Engineering

**August 2017 - April 2019**

Bachelor of Science in Mechanical Engineering, Swanson School of Engineering

**August 2012 - Dec 2016****Optimum G Applied Vehicle Dynamics Seminar – East Lansing, MI****May 2016****Bertil Roos Formula 2000 Racing School Poconos Raceway – Long Pond, PA****July 2014****Product Management Camp (PCAMP) Carnegie Mellon, Pittsburgh PA****August 2019****Founder Institute Startup Accelerator, Pittsburgh PA****April 2020**

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**VALUABLE SKILLS**

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**CAD:** Understands GD&T. Experienced with SolidWorks, Inventor, AutoCAD, and Catia (7+ years engineering design experience)**Design:** Experienced with ANSYS and SolidWorks Simulation, SolidWorks and Inventor Sheet metal and weldments tools as well as surface operations, large CAD (250+ part) assemblies, standard part naming nomenclature, advanced mating in assemblies**Manufacturing:** Experienced with manufacturing processes (Traditional & Additive). Can use lathe, mill, laser cutter, can weld**Measurement:** Experienced with reverse engineering - Faro ARM, Polyworks software, and Geomagic studio software**Management:** Able to coordinate complex development projects, Experienced with Jira, Asana, and similar planning software,

Experienced with multiple CRM softwares, Excellent emotional intelligence, Comfortable and eager to build relationships, Excellent interpersonal communication skills, strategic and able to analyze risk quickly by nature.