

Paul Burgeson, PE

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(317) 203-9169

Mechanical Engineer
paulburgeson.com

8064 Whitelick Dr
Brownsburg, IN 46112

Experience **Hydro-Gear**, Indianapolis, IN (05/18—Present)

Business Growth Engineer

- Counseled management on navigation of Turf industry transition to electric drives and robotic systems
- Facilitated discussions with executive management to create 5 year strategic plan
- Studied technology and market trends to find and validate the best new product development projects and associated value propositions
- Conduct primary and secondary market research directly with end users, dealers, and OEMs
- Assist in transitioning projects from the idea phase into the product development process
- Support development teams with market input and lead Go to Market activities

Bastian Solutions, Indianapolis, IN (12/16—05/18)

Research & Development Engineer

- Created, developed, and tested new technologies. Responsible for proving a technology and bringing to market.
- Projects have included market research, developing a proof of concept, rapidly prototyping, and beginning production.
- Reported directly to CEO and managed a single direct report
- Coordinated with third party research teams and vendors to rapidly iterate and test new ideas

Bastian Solutions, Greenfield, IN (05/14—12/16)

CAD Development Engineer

- Created software tools to design, update, and price complex material handling systems
- Developed long term and short term design goals and project timelines. Worked directly with all stakeholders to ensure final product reflected variety of user needs.
- Performed ongoing support and feature improvements for end users
- Created miscellaneous automation tools for improving order execution and business processes

Education **Purdue University**, West Lafayette, IN
Master of Science, Mechanical Engineering
Cumulative GPA: 3.8/4.0
Graduated: May 2016

Purdue University, West Lafayette, IN
Bachelor of Science, Mechanical Engineering
Certificate: Entrepreneurship & Innovation
Cumulative GPA: 3.2/4.0
Graduated: May 2011

Skills & Certifications Licensed to practice engineering in the state of Indiana as a **Professional Engineer**
Adept at programming in C, MATLAB, .NET Languages, and VBA
Certified Inventor Associate, Certified Solidworks Professional, also able to effectively model in SolidEdge and CATIA
Skilled with Finite Element Analysis (FEA)
Experienced user of lab electrical test equipment (oscilloscope, function generator, multimeter, etc.)
Completed background checks for US Government "Secret" Level security clearance
Cleared by Nuclear Regulatory Commission to handle with radioactive sources
Advanced user of Microsoft Excel and Word including VBA macros
Limited experience in Machine Shop including lathe and vertical mill

When I'm not working I delight in tinkering in the garage, camping, flying, and spending time with my family and friends.