

Paul Burgeson, PE

paulburgeson@gmail.com
(317) 203-9169

Mechanical Engineer
paulburgeson.com

8064 Whitelick Dr
Brownsburg, IN 46112

Experience **AMERICAN Innovation**, Crawfordsville, IN (08/20—Present)
Research & Development Project Manager

- Managed a team of engineers to scope, concept, design, and test innovative new hydrant and valve products
- Collaborated and facilitated communication with production plants to ensure manufacturable, cost-effective designs and provide engineering support for newly introduced products
- Developed and maintained project timelines to meet internal and external stakeholder needs

Hydro-Gear, Indianapolis, IN (05/18—08/20)
Business Growth Engineer

- Studied technology and market trends to find and validate the best new product development projects and associated value propositions
- Facilitated discussions with executive management to create 5-year strategic plan
- 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 (06/13—05/18)
Roles: Design Engineer, CAD Development Engineer, Research & Development Engineer

- Designed and supported assembly and testing of custom material handling equipment
- Created software tools to design, update, and price complex material handling systems
- Created, developed, and tested new technologies. Responsible for both proving a technology and bringing it to market.
- Coordinated with third party research teams and vendors to rapidly iterate and test new ideas

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**
Certificated private pilot by the Federal Aviation Administration (FAA)
Certified SolidWorks Professional, Certified Inventor Associate, Fusion 360, SolidEdge, and CATIA
Skilled with Finite Element Analysis (FEA) – stress analysis and flow simulation
Experienced user of lab electrical test equipment (oscilloscope, function generator, multimeter, etc.)
Experienced user of basic fabrication methods including: 3D printing, carpentry, machining, welding
Limited experience with CMM – both coordinate measurements and laser scanning
Listed inventor of two patents - US11329532B2 and US20250188718A1

Volunteering Assistant Scoutmaster for the legendary Troop 303 in Brownsburg, IN
Member of Brownsburg Public Library Board of Trustees

When I'm not working I delight in rebuilding a Velocity SE, camping, flying, and spending time with my family and friends.