

# Samuel Veith

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## Education and Certifications

- Union College**, Schenectady, NY *June 2020*  
B.S. in Mechanical Engineering - GPA: 3.3
- Business Essentials Accelerator**, Morning Brew *June 2021*  
8-week course in corporate analysis and innovation
- Lean Six Sigma Green Belt**, IASSC *March 2021*

## Highlights and Skills

- Success with technical diagnostics interfacing with many stakeholders
- Experienced in plastic & metal manufacturing technologies, rapid prototyping, and GD&T
- Proficiency in Solidworks & Microsoft Office
- Recreationally restored 19 cheap cars to learn automotive repair and technologies
- Learned website design to create my own website and travel company
- CPR certified (Jan 2023)

## Industry Experience

- Ford Motor Company, Field Service Engineer** *Apr 2023 – Present*  
San Diego, CA
- Diagnose all issues on all 16 Ford models to repair vehicle to operating condition
  - Interface with multiple nexuses of repair information
  - Perform depositions on behalf of Ford Motor Company in good faith
  - Inspect vehicles for non-conformity for legal obligations and the BBB
  - Assist San Diego dealerships with service compliance and corporate standards
  - 75% completion to Ford Senior Master Technician certification
- St. Peters Lutheran College, Boarding Master** *Jan – Dec 2022*  
Brisbane, Australia
- Supervised 60 children after-school hours and chaperoned off-campus activities
  - Tutored students in English, math, science, engineering and entrepreneurship
  - Completed conflict resolution, bureaucratic functions, and periodic shift procedures
- G&G Lighting, Design Engineer** *Jan 2020 – Jan 2021*  
Albany, NY
- Designed premium components via plastic molding and metal extrusion
  - Ownership on design and manufacturing of three new light fixture product lines
  - Revised 40 existing parts and released 50 new parts into production
  - Streamlined fixtures for assembly ease, cost of manufacture, and durability of individual parts
- Luxtech, Engineering Intern** *June – Sept. 2019*  
Philadelphia, PA
- Researched and tested optical phenomenon for depth illusion for next generation products
  - Analyzed 2,500 product orders for desired metrics via Matlab
  - Collaborated and implemented changes on upcoming product releases

**Powerline Packaging, Intern**  
Conshohocken, PA

*Nov – Dec. 2018*

- Set-up, maintained, and diagnosed packaging machinery for FDA compliant products
- Designed and implemented solutions to streamline manufacturing processes
- Performed opening/closing procedures and dynamic inventory management

**Volvo Group, Engineering Intern**  
Greensboro, NC

*June – Aug. 2018*

- Wrote the engineering department primer on North American truck electrification
- Researched and designed advanced technologies for a Baja vehicle with unlimited funding
- Audited and reported to senior management on current part branding standards

### **Engineering Leadership Experience**

**Union College Baja Racing, Captain**

*Sept. 2016 – March 2020*

- Administered the design and fabrication of a custom off-road race vehicle subject to race regulations under the Society of Automotive Engineering
- Trained members in part design and fabrication via seminars and hands-on training
- Restructured club around the design cycle to shave 40% of vehicle weight over 4 years

**Senior Design Capstone Project**

*Sept. 2019 – March 2020*

- Collaborated with a small team to design a minimal cost micro-submersible to study underwater environments
- Packaged the internal PCBs onto a 3D printed skeleton
- Calculated the balance for the center of gravity, center of thrust, and center of buoyancy