

Craig Gerndt Jr.

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Work Experience

- ThorLabs** *Private Key Photonics Technologies, Government Contractor, and Semiconductor Company* **Newton, NJ, USA**
Mechanical Business Engineer *Jan 2018 – Present*
- Assisted mechanical business unit with department role planning, manufacturing management, and client communications.
 - Worked in cooperation with our vendors, purchasing, machine shop to push new changes and products to the market.
- Engineering Technician** *May 2016 – Jan 2018*
- Testing lab assembly features and recording mathematical analysis to provide application solutions for our product setups.
 - Reporting included stress testing, material properties, failure analysis, statistical data, and information developments.
- Mechanical Draftsman** *Jul 2014 – May 2016*
- Updated 2000+ manufacturing prints and production output processes as requested by the CEO's 2015 initiative.
 - Managed product documents, models, charts, pricing, vendors, and related sub-parts while overseeing drafting roles.
- Wagner Industries** *Fortune 500 Equipment Manufacturing Plant* **Stanhope, NJ, USA**
Production Assistant *Jul 2012 – Jul 2014*
- Filed company financial documents and information regarding inventory, vendors, and pricing information.
 - Worked closely with the company CEO to gain an understanding of large-scale company workflow and economics.

Skills and Relevant Programs

Proficient Programs: Windows & Macintosh: Adobe Suite, Autodesk Suite, Microsoft Office Suite, SolidWorks Applications, 3D Printing Applications, Axapta Management Systems

Education

- Stevens Institute of Technology** **Hoboken, NJ, USA**
• Candidate for Executive Master of Business Administration & Technology Management *Sep 2019 – May 2021*
- Kean University** **Union, NJ, USA**
• Candidate for Bachelor of Industrial Design; GPA: 3.6/4.0 *Sep 2016 – May 2019*
- County College of Morris** **Morris, NJ, USA**
• Candidate for Associate of Industrial Design; GPA: 3.6/4.0 *Sep 2014 – May 2016*

Organizations

Kean Hillel | Stevens Hillel _____ (2018 -)
Collegiate DECA _____ (2018 -)
American Institute of Aeronautics and Astronautics _____ (2017 -)
Industrial Designers Society of America _____ (2015-19)
FIRST Robotics | Mentor _____ (2010-16)

Accomplishments

Six Sigma Green Belt _____ (2018)
Kean University Dean's List _____ (2016-19)
Featured in Morris Museum _____ (2016)
County College of Morris Dean's List _____ (2014-16)
German / Hebrew Composition _____ (Limited Proficiency)

Volunteering & Activities

- FIRST Robotics** *Featured in New Jersey Herald* **Newton, NJ, USA**
Design Team Lead | Mentor *Sep 2010 – Aug 2016*
- Providing high school students with engineering mentorship during the build season of their competition robot each year.
- Season of Hope Toy Drive** *Featured in New Jersey Herald* **Newton, NJ, USA**
Fundraising Volunteer *Dec 2013 – Dec 2014*
- Extensive group management of gathering toy products for local children in need of presents for Christmas.

Hobbies: Developing products and board games, directing mini-movies, fixing vintage cars, graphic design, and motorsports.