

Frank J. Czura Jr.
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OBJECTIVE

To obtain a rigorous and rewarding full-time mechanical engineering or technical consulting role with a dynamic company. Available to start mid-August 2022.

EDUCATION

University of Pittsburgh Swanson School of Engineering, Pittsburgh, PA
B.S. in Mechanical Engineering, Minor in Computer Science (August 2022)

Cumulative GPA: 4.0

SAT: 1580 (790 M, 790 R&W) **ACT Composite:** 35

Skills: Rapid Prototyping, Design for Six Sigma, Public Speaking, Teamwork & Leadership

Competencies: MS Office, Creo Parametric, SolidWorks, Java, MATLAB, Arduino AVR, Minitab

WORK & LEADERSHIP EXPERIENCES

Engineering Co-Op: New Product Development, Operations
Eaton Corporation

September 2021-Present
January-April 2021
June 2020-August 2020

- Led testing & data analysis of products and communicated results to management, resulting in a product reliability increase of 15%
- Worked with diverse, cross-functional teams to statistically analyze effects of design changes and increase production yields – ongoing
- Streamlined failure mode analysis for assembly processes by completing PFMEA documentation of failures and root causes

Teaching Assistant

October 2019-December 2020

University of Pittsburgh

- Coordinated adaptation of hands-on design course activities to a remote format following the onset of COVID-19
- Guided students through stages of data-driven product development, from problem discovery to effective communication of outcomes

PROJECTS & RELEVANT EXPERIENCES

Plus 3 Germany Study Abroad Program

May 2019

- Collaborated with German and American engineering and business students to conduct thorough analysis of an automotive supplier's present industry position and innovation efforts

Spring Design Expo – “Perceptive Pathway” Design Team

March-April 2019

- Consulted with the public, stakeholders, and industry experts to capture true nature of crosswalk safety issues on Pitt campus
- Worked with other engineers to design, build, and test a velocity-sensing crosswalk signal to improve driver-pedestrian visibility

Music-Reactive Floor Lamp Construction

June-August 2020

HONORS AND ACCOMPLISHMENTS

Swanson School of Engineering Dean's List, University of Pittsburgh (2019-Present)

Chancellor's Nominee Scholarship Recipient, University of Pittsburgh (August 2018- Present)

National Merit Finalist & Scholarship Recipient, National Merit Scholarship Corporation (May 2018)