

# Joseph Krueger

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## Education

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### **Villanova University, Villanova, PA**

May 2021

Bachelor of Science in Mechanical Engineering | 3.55 GPA | Dean's List

### **Northeastern Senior High, Manchester, PA**

May 2017

Magna Cum Laude | 4.00 GPA | SAT: 1520 | ACT: 33

## Engineering Experience

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### **Coupling Corporation of America, Jacobus, PA**

Summer 2016, 2017, 2018

#### **Full-Time Intern**

- Designed projects for use in manufacturing and attended corporate meetings for engineering and sales
- Researched, contacted companies, and made purchases and deliveries for company needs
- Assembled several industrial couplings for variety of companies such as NASA and Boeing

### **Engineering Interdisciplinary Project, Villanova University**

- Collaborated in group of four to create, develop, and present a new solution to a problem
- Project culminated in building a website including Google Maps data and user information

### **Junior Project Manager, Villanova Facilities, Villanova, PA**

- Performed survey of 128 classrooms on campus
- Conducted preliminary inspections of new campus housing for ADA compliancy
- Reviewed engineering drawings and created formal reports

## Leadership Activities

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### **High School Orchestra President**

2016-17 Academic Year

- Won National High School Orchestra Award for outstanding leadership in school orchestra

### **Leader of Northeastern Robotics Team**

2014-17 Academic Years

- Won third place overall in regional Vex robotics competition and first place in two events

## Volunteer Work / Activities

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### **College:**

**Villanova Pops Orchestra:** Executive Board Member

**Saint Thomas of Villanova Day of Service**

**Villanova University Running Club**

### **High School:**

**ELCA National Youth Gathering** – Traveled with thousands of teens to less fortunate area of Detroit to rehabilitate their community

**Church Youth Group** – Engaged in service activities, fundraising, and church services

**Northeastern Senior High Quiz Bowl** – Participated in televised competition annually

**Band Manager** – Formed and organized band, secured performances, recorded and produced album and distributed on many online music platforms

## Skills

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Experience with Matlab, Python, SLURM, Autodesk Inventor, SolidWorks, HTML, Solid Edge, and CSS.  
Proficiency with Microsoft Office and general online databases.