

# Bernhardt Pieters

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## Education

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### BS Mechanical Engineering

Expected Graduation Date: May of 2019

University Honors Program, Cincinnatus Scholarship, Dean's List,

Cumulative GPA: 3.596

Theta Tau Professional Engineering Fraternity – Fundraising committee

### Lakota West High

Cumulative GPA: 3.86 Unweighted/ 4.24 Weighted

High Honor Roll

Class Rank: 46/678

## Work Experience

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### Kinetic Vision

May 2015 – April 2016

- Imaging Co-op
  - Assisted in development of new GD&T process
  - Working on full GD&T analysis of over 120 parts
- Reverse Engineering Intern
  - Used scan software to analyze production models for customers
  - Created NURBS models from scan data
  - Compiled reports from 3D comparisons

July 2013 – August 2014

### GE Aviation

September 2016 – December 2016

- LEAP Mechanical Systems Co-op
  - Aided in writing CID's
  - Designed various tools to be used for testing and assembly
  - Recorded and analyzed various data sets
- HPT Manufacturing Co-op
  - Project manager for a new production cell
  - Developed extensive standard work procedures
  - Collected and analyzed quality data

May 2017 – August 2017

## Leadership

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Inquiry to Innovation Class – Founder of Big Red Bearcats Project

Fall 2015

- Challenged to come up with a solution to an issue we see as leaders on campus.
- Designed a complete program and wrote up an executive summary outlining the budget and sustainability of the program.

Teamwork and Leadership Class

Spring 2015

- Weekly leadership advice given to us by Dr. Santa Ono, The Architect of the Capital, J.B. Bernstein, Tommy Tuberville, and others.
- Attended a three day leadership retreat with professors and other students to work on communication, teamwork, and leadership techniques.

Pi Kappa Alpha Assistant New Member Educator

Fall 2016

- Empowered incoming members to explore the University and their goals throughout their collegiate careers
- Helped facilitate two meetings a week
- Wrote and graded weekly tests to encourage and track new member's progress throughout the semester
- Mentored new members throughout the process

## Skills

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MATLAB, SolidWorks, Geomagic Studio, Geomagic Qualify, Kotem SmartProfile, Amira, ImageJ, Microsoft Excel, Microsoft PowerPoint, Bilingual (Afrikaans)

## Community Service

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Animal Friends Humane Society

October 2014-April 2015

Four Corners Community Church (Assistant Youth Pastor)

December 2013-August 2014