

# BENJAMIN COULTER

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## EDUCATION

MAY 2022

**B.S. MECHANICAL ENGINEERING**, NORTHERN ARIZONA UNIVERSITY

Engineering Analysis; Material Science; Engineering Thermodynamics; Fluid Mechanics; Electrical Engineering

**MINOR MATHEMATICS**, NORTHERN ARIZONA UNIVERSITY

Differential Equations; Linear Algebra; Numerical Analysis; Discrete Mathematics; Statistical Analysis

## EXPERIENCE

**AUG. 2021 – PRESENT**

**COLLEGE WIND COMPETITION**, TURBINE TEAM/CONNECTION CREATION

Head of brake and shaft design; Community outreach

**AUG. 2021 – PRESENT**

**COMPUTER-AIDED DESIGN CLASS ASSISTANT**, NORTHERN ARIZONA UNIVERSITY

Aid professors in SolidWorks courses

**AUG. 2021 – DEC. 2021**

**ENGINEERING DESIGN TEACHING ASSISTANT**, NORTHERN ARIZONA UNIVERSITY

Aid professors in Engineering Design courses

**AUG. 2021 – DEC. 2021**

**ENGINEERING DESIGN GRADER**, NORTHERN ARIZONA UNIVERSITY

Grade assignments, projects, and presentations in Engineering Design course

## TECHNICAL SKILLS

- SolidWorks
- Onshape
- HTML
- MATLAB
- C++
- Microsoft Office Suite

## LEADERSHIP EXPERIENCE

Theta Tau Fraternity, a co-ed professional engineering fraternity. The fraternity promotes service, professionalism, and brotherhood among its members and communities.

- Professional Development Chair (Aug. 2020 – Dec. 2020)
- Head of Bylaws and Parliamentary Procedure (Jan. 2021 – Dec. 2021)
- Regent (Jan. 2019 – May 2020)
- Vice Regent (Aug. 2017 – Dec. 2017; Aug. 2018 – Dec. 2018)
- Marshal/Pledge Instructor (Jan. 2018 – May 2018)
- Build Chair (Jan. 2017 – May 2017; Jan. 2021 – Dec. 2021)
- Founding Candidate Chapter/Chapter Member (Jan. 2017 – Dec. 2018)

## OTHER

**AUG. 2021 – PRESENT**

**NAU ENERGY CLUB**

**MARCH 2019 – PRESENT**

**ORDER OF THE ENGINEER**

**AUG. 2016 – PRESENT**

**AMERICAN SOCIETY OF MECHANICAL ENGINEERS**