

Antonio Campos III

Objective: A fourth-year college student at NAU looking for a position where I can use my skills and abilities to help solve complex problems and innovate new solutions.

1518 Partridge Ct.
Santa Rosa, CA 95403
(707) 623-2543
campos.iii.antonio@gmail.com
Linked-In: Antonio Campos III

WORK EXPERIENCE

St. John the Baptist Catholic School, Healdsburg, CA — *Maintenance*

Summers (2019-2022)

- Did general maintenance of the interior and exterior of buildings.
- Used various types of landscaping equipment.
- Responsible for securing hazardous materials.
- Took inventory of supplies.

Marin County Department of Public Works, San Rafael, CA *Civil Engineering Dept. Intern*

June 2023 - August 2023

- Create data sheets in Excel for reports
- Fieldwork to survey and mark roads needing to be slurry sealed
- Used Autodesk Civil 3D CAD software to develop plan sets for future projects
- Made reports regarding submittal requests for the use of construction materials not found in applicable references

NAU Dept of CENE, Flagstaff, AZ — *Student Researcher*

November 2023 - Current

- Working on the construction of a concrete 3D printer
- Will begin to work on prints with the use of slicer software
- Developing plans for printing in coordination with other departments within the school

TECHNICAL SKILLS:

- Solidworks, Autodesk
- ANSYS
- MATLAB
- Microsoft Office:
Excel, Word,
PowerPoint

SOFT SKILLS:

- Ability to work under pressure
- Adaptability
- Creativity
- Critical Thinking
- Collaboration Skills
- Communication
- Problem-solving
- Time Management
- Reliability
- Listening

AWARDS

Deans List:

(Fall-2022/Spring-2023)

An award for undergraduates who achieve a 3.5 GPA or higher for a given semester while enrolled in at least 12 credits. (Achieved a 4.0 GPA)

Gold Scholarship:

(2020-2023)

A \$6,000 scholarship award for students who completed high school with an unweighted core GPA of 3.5-4.0.

PROJECTS

Course: Engineering Design — 1/2023-5/2023

- A course project with the goal to design an agricultural drone that can track and identify animals known to damage farm products.

Course: Capstone — 4/2023-Present

- A team-based, senior-level project regarding the design and manufacturing of a small open-wheeled racecar. With the intent to compete in 5/2024 in the FSAE competition in Michigan.

(Website link below)

[https://ceias.nau.edu/capstone/projects/ME/2024/F23toSp24_Formula24/]

Personal: CAD — 10/2021-11/2021

- A personal project to design and 3D print a 7-piston radial engine with the use of Solidworks and Cura.

Marin County DPW: Autodesk — 7/2023

- Developed a plan set using Autodesk Civil 3D to mark out roads needing to be slurry-sealed in various locations in Marin County.

Marin County DPW: FEMA — 7/2023 - 8/2023

- Assisted in developing reports and data sheets needed for the FEMA grant portal for disaster relief funding.

EDUCATION

Bachelor of Science in Mechanical Engineering Northern Arizona University

Expected May 2024

GPA: 3.49/4.0

Relevant Coursework

- Applied Mechanics Statics
- Applied Mechanics Dynamics
- Aerodynamics (Ongoing)
- Calculus 3
- Computer-Aided Design (Solidworks, AutoDesk, ANSYS)
- Differential Equations
- Fluid Dynamics 1
- Machine Design 2
- Micro Economics
- Numerical Analysis
- Programming (MATLAB)
- Heat Transfer
- Structural Analysis