

# Andrew Castillo

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## EDUCATION

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**Northern Arizona University**, Flagstaff, AZ

**Graduation: May 10, 2024**

*College of Engineering, Informatics, and Applied Sciences*, Bachelor of Science, Civil Engineering (GPA: 3.6)

**Relevant Coursework:** Reinforced Concrete Design, Structural Steel Design, Steel Bridge Senior Design Project, Structural Analysis, Statics, AutoCAD, Mechanics of Materials, Environmental Engineering, Engineering Design Process, Geotechnical Engineering, Physics 1, Physics 2, Calculus 1, Calculus 2, Calculus 3, Differential Equations

## PROFESSIONAL EXPERIENCE

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**City of Burbank Internship** | *Municipal Engineering* | Burbank, CA

**Jun 2023 - Aug 2023**

- Oversaw small projects
- Assisted in AutoCAD drawings and plan sets
- Attended professional meetings
- Gained real-world experience from the public sector perspective

**VCA Engineers Internship** | *Structural Engineering* | Flagstaff, AZ

**May 2022 - Aug 2022**

- Reviewed structural drawings and details
- Reviewed as-builts for future renovation projects
- Conducted onsite visits for projects
- Assisted in structural drawings for government approval
- Gained real-world experience from the private sector perspective

**Northern Arizona University IT Service Desk** | *IT Tech Support* | Flagstaff, AZ

**Jan 2024 – May 2024**

- Enhanced problem-solving skills and customer support
- Gained technical proficiency in various Microsoft programs
- Provided basic technological troubleshooting

## COURSEWORK PROJECT EXPERIENCE

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**Student Steel Bridge Competition** | *Senior Design Project* | Flagstaff, AZ

**Aug 2023 - May 2024**

- Designed and built a scale bridge
- Created shop drawings and connection details
- Conducted structural analysis using RISA-3D
- Organized team and client meetings
- Prepared a full cost analysis and budget
- Participated in presentation and competition in Logan City, Utah

**Mock Sinclair Wash Redesign** | *CENE386W* | Flagstaff, AZ

**Jan 2023 - May 2023**

- Led redesign of an existing culvert within Northern Arizona University
- Conducted field measurements and analysis using engineering software
- Designed to county and state specifications
- Generated a professional technical report

## CERTIFICATIONS

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**Engineer in Training (NCEES)** | **EIT 181356** | CA

**Mar 2024**

## SKILLS

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**Software:** RISA 3-D | Revit | AutoCAD | Microsoft Excel | Microsoft Word | Microsoft Office