Tiffany May McCremens

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Education

BSE Civil Engineering, BA Modern Languages (Spanish), December 2022, GPA 3.55/4.0
Northern Arizona University, Flagstaff AZ

- Honors College student and Dean's List Recipient
- Interdisciplinary Global Programs student: dual-degree STEM and language studies program, including an internship and study abroad experience in Spain
- International exchange student at the University of Alicante in Spain (Fall 2021)

Honors

- Recipient of multiple, merit honors including the Lumberjack Scholars Award, the Mayo Clinic Dependent Scholarship, and the Nelson International Engineering Fund
- Honorary participant of the 2020 NAU Presidential Leadership Fellowship Program
- Received research funding as a 2020 NAU Interns-2-Scholars undergraduate researcher

Relevant Industry Experience

Ingeciber, Madrid, Spain
Intern (06/2021)-(09/2021)

- Trained in utilizing the company's finite-element software program, *CivilFEM*, to construct and analyse infrastructures such as buildings, bridges, dams, and significant civil networks
- Consolidated with Ingeciber staff to monitor new developments of the software and detect possible errors or potential areas for improvement
- Collaborated with the commercial engineering department with translating and modifying marketing advertisements and documents from Spanish to English

Northern Arizona University, Flagstaff, AZ
Undergraduate Researcher (01/2020)-(05/2021)

- Co-author of funded research project that identified certain socioeconomic characteristics that fostered future developments of emerging, transportation networks in suburban areas
- Manipulated and analyzed survey data, collected from participating residential locals, to tabulate tables, graphs, and charts utilizing excel
- Research was presented at the 2020 Transportation Research Board in Washington D.C.

Skills

- Software: *AutoCAD, Civil 3D, CivilFEM, Revit, Microstation*
- Programming Languages: *R and Python*
- Relevant Coursework: Structural (Statics and Mechanics), Geotechnics, Traffic, Environment
- Industry Knowledge: Technical Reporting, Engineering Analysis, Microsoft Office, Surveying
- Languages: English (native), Spanish (intermediate), and Tagalog (intermediate)