BRAULIO ANDRES COVARRUBIAS VARGAS

215 Ferrill Street 73069, Norman, Oklahoma || braulio@ou.edu || 4055108948

EDUCATION

University of Oklahoma (OU) M Sc. in Civil Engineering GPA 3.67/4.00	Norman, OK Expected May 2021
B Sc. in Civil Engineering	Graduated May 2020
GPA 3.57/4.00 Academic Distinction, UWC-Davis Scholar, President's Honor Roll (4), Dean's Honor Roll (4), N Sooners Without Borders, The United World	Member of Chi Epsilon,
PROFESSIONAL EXPERIENCE	
Guest Scholar Lehigh University – Natural Hazards Engineering Research Infrastructure	Bethlehem, PA Jul – Sep 2020
 Received training on Real-Time Hybrid Simulations Planned, designed and performed 240 tests (characterization, free-vibrations, RTHS) for Developed MATLAB codes to obtain, filter, and analyze force-displacement and time-h 	
 Graduate Research Assistant OU Gallogly College of Engineering Conduct data gathering and analysis in the field of Structural Dynamics Preparing technical reports, paperwork and presentations demonstrating research finding; Designed and built an equipment isolation unit under an NSF-EPSCoR Track 4 project Currently writing 3 journal articles to be published in 2021 	Norman, OK May 2020 – Present s
 Junior Application Administrator & Data Analyst OU – Information Technology Research new trends in online learning that might be suitable for the University of Oklah Offer support to students, staff and faculty with LMS (Canvas) and other virtual services Create and maintain support documentation in IT's Knowledge Management Tool (Com. Use business analytic services software (Power BI) to visualization and arrange data and Provide world class technology support to a campus population of over 30,000 (approx. I laboratories) 	(Qualtrics, MyMedia) Around) l data relationships
 Student Researcher Urban Concepts in Sustainable Transition European College of Human Ecology Propose, research, and present a project incorporating sustainability related concepts Develop and innovate on sustainable urbanism practices (i.e. bike-sharing systems) suital Emmendingen 	Emmendingen, Germany Jul 2018 – Aug 2018 ble for the city of
SKILLS AND INTERESTS	
Software: AutoCAD, Civil 3D, SketchUp, Revit, MATLAB, Python, RISA 2-D, MultiFrame, Wa Microsoft Office Suite. Languages: Spanish (Native), English (Proficient), Portuguese (Beginner) Interests: Structural Engineering, dynamics and building resilience, structural restoration, forensic Engineering, bridges, architecture, reading, sustainability, clean energies.	
LEADERSHIP Chief Information Officer OU Structural Engineering Institute	August 2020 Deserve
 Chief Information Officer OU Structural Engineering Institute Manage and overview the organization's official documents Record, organize and publish monthly meeting minutes 	August 2020 - Present
 Marketing and Display Lead OU Steel Bridge Competition Team Designed and distributed the teams' advertising and recruiting posters, flyers, t-shirts even Coordinated with other leading positions to schedule biweekly general meetings Designed, fabricated, and built 1:10 scale steel bridge to represent the University of Oklas Student Steel Bridge Competition 	