



ALIZER KHOWAJA

alizerk@gmail.com | alizerkhowaja.com

EDUCATION

The University of Texas at Austin

B.S. Civil Engineering + Smart Cities Certificate | May 2022

EXPERIENCE

The University of Texas at Austin

Research Assistant - Cockrell School of Engineering | May 2020 - Present

- Working with Dr. Kara Kockelman and a graduate student to quantify the emissions impact of repurposed EV battery packs in residential settings

Research Assistant - Urban Information Lab | Sept. 2019 - Present

- Working with Dr. Junfeng Jiao to collect and analyze urban data

HDR Inc.

Traffic Engineering Intern | Oct. 2019 - May 2020

- Conducted QA/QC of curb ramps, sidewalks, and street signs in Texas cities
- Prepared analysis and deliverables for a full traffic impact analysis (TIA) report

Transportation Engineering Intern | Summer 2019

- Created roadway schematic plans, calculated construction costs for feasibility studies, and conducted research on ongoing projects for technical reports
- Developed custom dashboards visualizing crash data through maps, charts, and graphs by manipulating raw data to pinpoint areas of improvement

Bent Tree Country Club

Server | Summer 2018

- Attained extensive knowledge of menu items, accurately recorded orders, and attentively provided quality service to club members
- Partnered with manager to diagnose areas of improvement in workflow and engineered solutions to enhance methods of operation

Columbia University

Summer Program Team | Summer 2016

- Collaborated with Dr. Richard Plunz, Dr. Patricia Culligan, and international students to develop an art-based park located on the piers of west-central Manhattan
- Ideas (presented to NY City Council, Army Corps. of Engineers, and Hudson River Park Trust) are expected to be implemented into future developments including the \$250 million Pier 55 Island (2021) and \$60 million Gansevoort Peninsula Park (2022).

PROJECTS

Camp Mosaic | Resource Lead | 2020

- Managed finance and logistics info for in-person (2019) and virtual (2020) day camp with over 500 children and staff

AKDN Kenya/Tanzania | Ambassador | 2017

- Visited key development sites over 4 weeks and created sustainable development plan to enhance operations at St. Mary's Orphanage

HONORS

Eagle Scout | Certificate of Special Recognition from Congressman Kenny Marchant

Academy Undergraduate Researcher | The University of Texas at Austin

Photography Finalist | National Jubilee Arts Festival

SKILLS

Engineering | AutoCAD, Revit, Inventor, Microstation (InRoads + Geopak), ArcGIS

Coding & Data | Java, Python, MATLAB, HTML, CSS, Tableau, Power BI

Design | SketchUp, Sketch, Photoshop, Illustrator, Final Cut

Workflow | Apple iWork, Microsoft Office

Languages | English, Spanish, Urdu, Sindhi

INTERESTS

Career | Emerging Technologies, Sustainable Development, Urban Systems

Hobbies | Photography, Design, Reading, Finance, Cycling, Running, Golfing