



ALIZER KHOWAJA

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EDUCATION

The University of Texas at Austin
B.S. Civil Engineering | May 2022

EXPERIENCE

HDR Inc.

Traffic Engineering Intern | Oct. 2019 - Present

- Conducting QA of curb ramps and preparing reports for traffic analysis

Urban Information Lab

Research Assistant | Sept. 2019 - Present

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

HDR Inc.

Transportation Engineering Intern | Summer 2019

- Created roadway schematic plans, calculated construction costs for feasibility studies, and conducted research concerning technical reports for ongoing projects
- 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

AKDN: Kenya & Tanzania

Student Ambassador | Summer 2017

- Visited key development sites under the Aga Khan Development Network
- Established base for sustainable development at St. Mary's Orphanage by teaching students new skills and enhancing staff's rug-weaving business

Columbia University

Summer Program | 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 from proposal (presented to New York City Council Board, Army Corps. of Engineers, and Hudson River Park Trust) are expected to be implemented into future developments including the \$250 million Pier 55 project to be completed in 2021 and \$60 million Gansevoort Peninsula Park project to be completed in 2022.

PROJECTS

Camp Mosaic | Info Coordinator | 2019

- Managed financial and logistical information for day camp with more than 200 children and staff

AKF Walk & Run | Youth Ambassador | 2017

- Assisted with logistics of educational exhibit which contributed to help raise over \$1 million

HONORS

Eagle Scout | Certificate of Special Recognition from Congressman Kenny Marchant
Gold Award | Presidential Volunteer Service Award
Photography Finalist | National Jubilee Arts Festival

SKILLS

Engineering | AutoCAD, Revit, Inventor, Microstation (InRoads + Geopak), ArcGIS Pro
Coding & Data | Java, Python, Fortran, 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,
General | Photography, Design, Reading, Finance, Biking, Running, Golfing, Skiing