



Edwin Ochieng, E.I.T., CFM, ENV-SP

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PROFILE

Edwin Ochieng, is a Civil Engineer, Certified Floodplain Manager, passed both F.E. and P.E. exams, specializing in water resources engineering. He has worked on projects involving drainage systems, floodplain delineation, dam safety, detention pond design, and land development using tools like HEC-HMS, HEC-RAS, GIS, and XPSWMM.

PROFESSIONAL EXPERIENCE

Designer/Water Resources Engineer – GFT Infrastructure Inc, Fort Worth, TX 06/2025 - Present

- Utilizes GIS, XPSWMM, HEC-HMS and HEC-RAS software to analyze and model water resource systems.
- Conducts analysis of natural disasters to design and recommend mitigation alternatives for impacted communities.
- Produces reports detailing analysis findings and design recommendations for water resource engineering projects.
- Prepares FEMA documentation such as LOMRs and LOMR-Fs to ensure floodplain compliance of communities.

Graduate Civil Engineer/Water Resources – Walter P Moore, Dallas, Texas 06/2024 – 06/2025

- Analyzed water resources engineering projects on drainage, floodplain delineation, and detention pond design.
- Performed dam safety analysis and recommendation to ensure current dams meet the required design standards
- Collaborated with engineers to execute water resources, hydraulic design, and surface water hydrology projects.
- Developed python scripts to automate processing of NOAA MRMS data for hydrologic & hydraulic analysis.

Civil Engineering Intern/Land Development - Di Sciuillo-Terry, Stanton & Associates, Arlington, TX 10/2023 – 04/2024

- Calculated the required detention storage using iSWM manual to mitigate stormwater runoff and prevent flooding.
- Developed Civil 3D models for both existing and proposed conditions providing solutions for client's projects
- Collaborated with clients and project teams to ensure alignment with project goals and regulatory requirements

Civil Engineering Intern/Environmental - Weaver Consultants Group, Fort Worth, Texas 05/2023 – 08/2023

- Collaborated in design of civil sites, stormwater management, and slope stability, and utility coordination.
- Prepared permit applications, modifications, and CQA reports ensuring compliance with regulatory requirements.
- Assisted in the preparation of construction plans under the supervision of professional engineers

Civil Engineering Research Assistant/Structural Engineering – University of Texas at Arlington 06/2022 – 05/2023

- Cooperated in Non-Destructive Examination on top of bridge decks for maintenance and rehabilitation of structures.
- Conducted research for TxDOT, utilizing GIS to assess roadways, and provide insights for transportation projects.
- Coordinated in dynamic and static load testing, assessing structural integrity and performance of bridges.

Civil Engineering Intern/Structural Engineering - Vistra Corp, Irving, Texas 06/2022 – 08/2022

- Conducted structural analysis and design, ensuring structural integrity and compliance with US design standards.
- Supported fleet information gathering and management, for efficient maintenance and operation of equipment.
- Facilitated in setting up a structural integrity inspections program for storage tanks, for safety and compliance.

EDUCATION

University of Texas at Arlington

Bachelor of Science in Civil Engineering – 3.89/4.0 GPA, *Magna Cum Laude*

Honors and Awards: Outstanding BS-Civil Engineering Student, Multi Dean's List, Tau Beta Pi Engineering Honor Society, Phi Kappa Phi Honor Society, Golden Key International Honor Society, Freshman Distinction Roll Fall 2021
Designed a two-story timber building that won 2nd place in the ASCE region 6 student symposium 2024

LICENSES & CERTIFICATIONS

Passed Principles and Practice of Engineering – **P.E.** (NCEES)

Engineer In Training (**E.I.T.**) - Texas Board of Professional Engineers & Land Surveyors (TBPELS)

Certified Floodplain Manager (**CFM**) – Texas Floodplain Management Association (TFMA)

Envision Sustainability Professional (**ENV-SP**) – Institute of Sustainable Infrastructure (ISI)

OSHA 10 - Hour Construction Safety

SKILLS

ArcGIS Pro, Google Earth Pro, FlowMaster, AutoCAD Civil 3D, HEC-HMS, HEC-RAS, XPSWMM
Water Resources Modelling, Floodplain Management, Land Development, Structural Wood/Timber Design,