

Eric Guillermo Estrada Oajaca | EIT (171538)

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OBJECTIVE

Obtain an entry-level position working with professionally experienced Civil Engineers where my strong analytical and problem-solving skills will be utilized for interests in Stormwater Management, Hydraulic Design, Wastewater Treatment, or Sustainability.

EDUCATION

University of California, Los Angeles | Pursuing B.S. Degree in Civil and Environmental Engineering

Expected Graduation: Spring 2021

Cumulative GPA: 3.815

Relevant Course Experience: Environmental Engineering, Water Resources Engineering, Hydrological Analysis, Wastewater Treatment, Traffic Engineering, Geotechnical Engineering, Structural Analysis

INDUSTRY EXPERIENCE

City of Los Angeles, Bureau of Engineering | Wastewater Conveyance Construction Division | 2019 |

- Assist & design for the Super Expedited Wastewater Emergency Rehabilitation for Sewers Program
- Assess CCTV videos and report hazards that need to be addressed for Wastewater Pipes in LA
- Prepared a Power-Point Presentation on the implementation of Rib and Lagging and its use as a primary tunnel liner to shore horizontal excavations in soft ground on a Relief Sewer
- Process Time and Material reports and supplemental Invoices while contacting Project Inspector
- Accompanied Supervisor to the field to assess that all city requirements were implemented

TECHNICAL EXPERIENCE

Stormwater Capture (BMP) Project | UCLA Environmental Design | Project Director | 2020-2021 |

- BMP Project on a 100-Acre Drainage Area in South Central Los Angeles to address TMDLs
- Lead and prepared workshops on HydroCalc to model 85th Percentile Storm for BMP sizing
- Lead workshops on Navigate LA, Google Earth, ZIMAS, and QGIS for site-investigations
- Prepared a technical report on the methodology behind the Best Management Practice Project

Water Treatment System | UCLA Environmental Design | Project Engineer and Builder | 2019-2020 |

- Designing, laboratory testing, and building a small-scale non-potable Water Treatment System
- Directing peers in the lab to measure water-quality parameters (pH, TSS, DO Saturation, etc.)
- Prepared Technical Report with cost-efficiency and adjustable implementation as major factors
- Prepared for on-site construction of system and placed 2nd for PSWC Competition

RESEARCH

Undergraduate Assistant, Environmental Engineering Lab Under Jennifer Jay | 2017 |

- Observed the concentration level of lead in soil at 100 different local parks near Los Angeles to further observe whether it was a potential threat to humans living in the local communities.
- Collaborated with peers to present data to Engineering Professors and placed 4th out of 18 groups

PROGRAMMING SKILLS

- QGIS, Microsoft Office, Google Earth Pro, MATLAB, HydroCalc, Intermediate AutoCAD

PROFESSIONAL ORGANIZATIONS & ACTIVITIES

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| UCLA Center for Excellence and Engineering Diversity | 2017-Now |
| Chi Epsilon American Civil Engineering Honor Society Marshal | 2019-Now |
| American Society of Civil Engineers: Environmental Design Project Director | 2019-Now |
| Engineers Without Borders Nicaragua Project & Anza Project Design Team | 2018-Now |
| Society of Latino Engineers and Scientists Outreach Team | 2017-Now |