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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 Mitigation, Hydraulic Design, or Sustainability.

EDUCATION

University of California, Los Angeles | Pursuing B.S. Degree in Civil and Environmental Engineering
Expected Graduation: Spring 2021

Cumulative GPA: 3.825

Relevant Course Experience: Unit Operations and Processes for Water and Wastewater Treatment | Hydraulic and Hydrologic Design | Introduction to Water Resources Engineering | Hydraulic Analysis | Environmental Engineering Unit Operations and Processes Laboratory | Introduction to Environmental Engineering Science | Introduction to Transportation Engineering | Traffic Engineering Systems: Operations and Control | Elementary Structural Analysis | Introduction to Hydrology | Introduction to Mechanics of Deformable Solids | Science of Engineering Materials

INDUSTRY EXPERIENCE

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

- Gather data using Navigate LA to assist and 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 within Los Angeles
- 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 for fellow colleagues
- Process Time and Material reports and supplemental Invoices while communicating with Project Inspector
- Accompanied Supervisor to construction sites to determine a project's phase and communicate with Contractors to assure that all city requirements were implemented

Los Angeles Department of Water & Power | Virtual Student Engineering Program | Summer 2020 |

- Chosen as the Student Engineer for the Water Distribution Engineering Group
- Attended Information Systems that discussed the inner workings of LADWP

TECHNICAL EXPERIENCE

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

- Proposed a BMP Project on a 100-Acre Drainage Area in South Central Los Angeles to address TMDLs
- Lead and prepared workshops on HydroCalc to calculate the modeled 85th Percentile Storm Rainfall Depth
- Lead and prepared workshops on Navigate LA, Google Earth, ZIMAS, and ArcGIS for site-investigations
- Prepared a technical report on the methodology behind the choosing and sizing of the finalized BMPs

Stormwater Capture (BMP) Project | UCLA Hydraulic and Hydrologic Design | Design Lead | Spring 2020 |

- Proposed a BMP Project on a 40-Acre Drainage Area in Valley Glen to improve water quality in Los Angeles
- Delineated and plotted the Drainage Areas into Sub-Basins based on flow-behavior
- Prepared a technical report on the methodology behind the choosing and sizing of the finalized BMPs

RESEARCH

Undergraduate Assistant, Environmental Engineering Lab Under Jennifer Jay | Fall 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.
- Utilized leadership and cooperation skills to work with fellow students on gathering materials and necessary analytical data to present to Engineering professors

PROGRAMMING SKILLS

☐ Microsoft Office | Google Earth Pro | MATLAB | HydroCalc | Intermediate AutoCAD | Introductory ArcGIS

PROFESSIONAL ORGANIZATIONS & ACTIVITIES

UCLA Center for Excellence and Engineering Diversity | CEED 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

Mentor SEAS Program 2017-Now

Society of Latino Engineers and Scientists | CEED-Tri-Org Outreach 2017-2019

HONORS & AWARDS

HSSEAS Dean's List (GPA 3.7+) Winter 2018 | Spring 2020

UCLA Achievement Scholarship 2017

Chevron Scholar, M.E.T.A. Foundation Scholar, Vivian Clark Scholarship 2017

Frederick Douglass and Susan B. Anthony Award 2017