
EDUCATION

Bachelor of Science in Civil Engineering
University of South Florida

Graduated Summer 2020
Tampa, FL

SKILLS

Software Programs: Openroads Designer, Pinellas Civil 3D, MicroStation FDOTSS4, GEOPAK, Mathcad

RELEVANT EXPERIENCE

DRMP, Inc.

Project Engineer

Tampa, FL
May 2019 – Present

- Assist in the plan production of projects involving roadway, sidewalk, and drainage improvements for several government and private entities within the State of Florida
- Aid in the research and production of traffic and safety studies for the betterment of pedestrians and vehicles
- Perform field reviews on projects to gain a higher understanding of the existing conditions of projects
- Support in the communication with clients to better understand the needs of the projects

Landis Evans & Partners

Traffic Study Analyst

Lutz, FL
April 2018 – May 2018

- Assessed the individual types of traffic going through specific intersections in Plant City, FL
- Contributed to the creation of future traffic models to understand the long-term impacts on the intersections

PROJECTS AND VOLUNTEERING

Renewable Energy for the Se7en Wetlands

January 2020 – October 2020

Project Manager

- Undergraduate capstone design project for the City of Lakeland's Se7en Wetlands, a treatment wetland park
- Leading hydraulics design focusing on the automation of hydraulic control structures and gates
- Designing off-grid renewable energy infrastructure and storage to automate the hydraulic control structures
- 1st Place in the FWEA Student Design Competition; moved on to compete in the WEF National Competition

ASCE-USF Concrete Canoe Team

August 2017 – March 2019

Quality Assurance/Control Lead (2017-2018), Build Team (2018-2019)

- Designed a new canoe hull every year using modeling software like DELFTship to create hull prototypes
- Prepared concrete mixes for testing and use in the final canoe construction
- Competed at regionals in four categories: race performance, design paper, professional presentation, and final product
- Communicated with project leads to consistently make sure standards set for project were known and met

Environmental Engineering Competition at the ASCE Southeast Regional Conference

January - March 2015, 2017, 2019

Team Member (2015, 2017)

- Researched and tested different compounds such as powdered-activated carbon to remove the highest amount of methylene blue dye from water possible, finished 3rd place out of 18 schools in 2015

Project Lead (2019)

- Led a team of 4 to design a water filtration system with supplies found at a campsite under a limited amount of time with the goal of removing contaminants to minimize certain parameters like pH, turbidity, absorbance, and dissolved oxygen
- Finished 3rd place out of 27 schools competing

ORGANIZATIONS

American Society of Civil Engineers

USF Chapter: Webmaster (2015-2016), Co-Conference/Co-Banquet Chair (2017-2018)

January 2015 – Present

American Water Works Association

USF Chapter: Co-Event Coordinator (2019-2020)

August 2019 – Present