

BRANDON C. FALLIN

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EDUCATION

University of Florida

May 2021

Bachelor of Science in Mechanical and Aerospace Engineering, Herbert Wertheim College of Engineering

Major: Mechanical and Aerospace Engineering

GPA: 3.96/4.00

Relevant Coursework: Mechanics of Materials Lab, Dynamics, Compressible Flow, SolidWorks, MATLAB, Design & Manufacturing Lab, Circuits, Finite Element Analysis, Mechanical Design 1, Aerospace Sciences Lab, Astrodynamics, and Aerodynamics

WORK EXPERIENCE

Protean Design Group

July 2020 – Present

Student Design Intern (40 hrs/week)

Orlando, FL

Protean Design Group is a multi-disciplinary civil engineering firm specializing in Transportation, Traffic, Drainage, and Lighting Solutions with clients ranging from the Florida Department of Transportation to the Central Florida Expressway Authority. Protean fulfills multi-million-dollar contracts with the safest and most cost-effective design solutions across the state of Florida.

- Works alongside Project Engineers to design and plan production tasks in MicroStation for Florida Department of Transportation contracts
- Produces technical CADD drawings and diagrams relating to the success of each project, and revises the work of other engineers for quality assurance
- Produced technical Signing and Pavement Marking CADD plans for the SR 408 resurfacing project over the course of 3 months. Developed a Condition Assessment Memo (CAM) to evaluate the current state of signs on the 408 and verified data with measurements in the field

University of Florida New Student and Family Programs

October 2018 – July 2019

Preview Staffer (70 hrs/week)

Gainesville, FL

The Preview Staff is responsible for welcoming nearly 10,000 new students and family members to the University of Florida over the course of the summer, as well as academically advising all incoming students to prepare them for their first semester on campus.

- Selected from a three-round interview process to serve as an orientation leader and welcome over 10,000 new students and family members to the University of Florida throughout the summer
- Guided small groups of 10-15 students through the 2-day program by directly academically advising students and facilitating conversations about the difficulties of transitioning to college

INVOLVEMENT

University of Florida Interfraternity Council

January 2019 – Present

Mental Health Initiative Executive Director

Gainesville, FL

The Interfraternity Council is the governing organization for all IFC fraternities at the University of Florida. In addition to providing an organizational structure for the UF fraternities, the Interfraternity Council hosts a number of philanthropic events and acts as the liaison between fraternities and the UF administration.

- Directly oversees a team of directors, assistant directors, and ambassadors that constitute the IFC Mental Health Initiative, ThriveIFC
- Works to positively impact the mental health culture within each chapter on the University of Florida campus through mental health-based trainings and workshops for ambassadors

Dance Marathon

August 2018 – March 2019

Multimedia Captain

Gainesville, FL

Dance Marathon is the largest student-run philanthropic organization on the University of Florida campus and consistently raises over \$3 million each year benefitting Shands Children's Hospital.

- Worked alongside Multimedia team to create a visually appealing representation of Dance Marathon and its cause and personally fundraised over \$1000 for Shands Children's Hospital
- Ensured all deadlines for photo and video content were met and all quality guidelines were followed

TECHNICAL SKILLS AND CERTIFICATIONS

- SolidWorks Associate Certification – Motion Analysis, Design for Manufacturability
- Systems Toolkit Level 2 Certification (Master Level Certification)
- Analysis and visual representation of data using Microsoft Excel
- Manufacturing experience using CNC mills, lathes, water jets, welding, and Geometric Dimensioning & Tolerancing
- Computer programming and analysis using MATLAB, LabVIEW, and Python
- Technical drafting using SolidWorks
- Technical plans production using MicroStation and AutoCAD
- Testing and instrumentation using strain gauges

AFFILIATIONS

Florida Blue Key, Pi Kappa Phi, University of Florida Dean of Student's Office, Reitz Scholars Program