

BRANDON C. FALLIN

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EDUCATION

University of Florida

Doctor of Philosophy of Aerospace Engineering, Herbert Wertheim College of Engineering

Aug 2022 - Present

- Working in UF's Control, Optimization, and Robotics Engineering (CORE) Lab under the advisement of Dr. Matthew Hale
- Conducts research focusing on differential privacy and its applications to control systems

Master of Science of Aerospace Engineering, Herbert Wertheim College of Engineering

Aug 2022 - Present

- GPA: 4.00 /4.00
- Relevant Coursework: Nonlinear Control, Fundamentals of Machine Learning, Numerical Optimization

Bachelor of Science of Mechanical Engineering, Herbert Wertheim College of Engineering

Aug 2017 – May 2022

Bachelor of Science of Aerospace Engineering, Herbert Wertheim College of Engineering

- GPA: 3.89/4.00
- Relevant Coursework: Stability & Control of Aircraft, Control Systems Design, Astrodynamics, Compressible Flow

WORK EXPERIENCE

Orbit

Mar 2021 – August 2022

Co-Founder and Chief Marketing Officer

Gainesville, FL

- Closed a M&A deal with Creatd, Inc. (Nasdaq CM: CRTD)
- Managed development for a social media platform for retail investors on iOS through strategic planning and research for a customer-focused product
- Leveraged technical knowledge to collaborate with both engineers and business owners in making important decisions regarding feature development
- Generated visual identity, web, and social media content in order to execute marketing and advertisement initiatives

Power Design, Inc.

June 2021 – August 2021

Mechanical Engineering Intern

St. Petersburg, FL

- Worked alongside Plumbing Engineers and Associate Plumbing Designers to produce technical drawings in Revit for multi-family high rise, retail, and amenity spaces
- Produced technical unit plumbing plans including domestic hot/cold water, sanitary piping, and natural gas for The Standard at South Carolina. Addressed comments on plan sets to ensure design conformed to International Plumbing Code specifications
- Participated in 40+ hours of training focusing on Revit fundamentals, plumbing systems and equipment, and crash courses in the basics of mechanical and electrical design

Protean Design Group

July 2020 – June 2021

Student Design Intern

Orlando, FL

- Worked alongside Project Engineers to design and plan production tasks in MicroStation for Florida Department of Transportation contracts
- Produced technical CADD drawings and diagrams relating to the success of each project, and revised 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

TECHNICAL SKILLS AND CERTIFICATIONS

- Computer programming and analysis using Python, MATLAB, and LabVIEW
- Analysis and visual representation of data using Microsoft Excel
- Systems Toolkit Level 2 Certification (Master Level Certification)
- SolidWorks Associate Certification – Motion Analysis, Design for Manufacturability
- Drafting and 3D modeling using Revit
- Technical plans production using MicroStation and AutoCAD
- Manufacturing experience using CNC mills, lathes, water jets, welding, and Geometric Dimensioning & Tolerancing

AFFILIATIONS

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