

Brandon Fallin

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Education

University of Florida

Doctor of Philosophy – Aerospace Engineering

Gainesville, FL

2022 – 2026

University of Florida

Master of Science – Aerospace Engineering, GPA: 4.00/4.00

Gainesville, FL

2022 – 2024

- Minor in Electrical Engineering, Certificate in Control Systems Theory
- Relevant Coursework: Nonlinear Control, Convex Optimization, Fundamentals of Machine Learning

University of Florida

Bachelor of Science – Mechanical Engineering, GPA: 3.89/4.00

Gainesville, FL

2017 – 2022

Bachelor of Science – Aerospace Engineering

- Relevant Coursework: Stability & Control of Aircraft, Control Systems Design Lab, Astrodynamics

Work Experience

Nonlinear Controls and Robotics (NCR) Lab

Graduate Researcher

Gainesville, FL

2022 – Present

- Researches applications of privacy and obfuscation to control systems and decision-making processes under the supervision of Dr. Warren Dixon
- Works directly with lab members and collaborators from affiliated institutions to publish research findings in IEEE conference proceedings
- Conducts mathematical and statistical analysis to evaluate the trade-offs between privacy and accuracy

Orbit

Co-Founder, Chief Marketing Officer

Gainesville, FL

2021 – 2022

- 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.

Mechanical Engineering Intern

St. Petersburg, FL

2021 – 2021

- Worked alongside Plumbing Engineers and Associate Plumbing Designers to produce technical drawings in Revit for multi-family high rise, retail, and amenity spaces
- Performed sizing calculations for domestic hot/cold, sanitary, and natural gas pipe
- Produced technical unit plumbing plans for The Standard at South Carolina over the course of 3 months. 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

Interfraternity Council – University of Florida

ThriveIFC Executive Director

Gainesville, FL

2020 – 2021

- Co-founded and oversaw the development of the Interfraternity Council's first ever mental health and brotherhood support initiative in the wake of the COVID-19 pandemic
- Directly oversaw a team of 2 directors, 4 assistant directors, and 24 chapter mental health ambassadors

Technical Skills

Languages: MATLAB & Simulink, Python, HTML & CSS, JavaScript, \LaTeX

Programs: Revit, MicroStation, AutoCAD, SolidWorks & PDM, Systems Toolkit (STK), LabVIEW

Certifications: STK Master (Level 2), SolidWorks Associate