

## Contact

[www.linkedin.com/in/micah-ulrich](https://www.linkedin.com/in/micah-ulrich)  
(LinkedIn)

## Top Skills

Automotive  
Manufacturing  
Team Building

# Micah Ulrich

Chief Executive Officer at Flux Hybrids - Techstars EnergyTech 2021  
Raleigh-Durham-Chapel Hill Area

## Experience

### Flux Hybrids

3 years 11 months

#### Chief Executive Officer

August 2018 - Present (3 years 11 months)

Raleigh, North Carolina, United States

#### Co-Founder

August 2018 - Present (3 years 11 months)

### Wolfspeed

#### Power Electronics Systems Engineer

May 2020 - August 2020 (4 months)

Durham, North Carolina, United States

Systems engineering internship, performing thermal analysis and simulation to aid in the design of a custom traction inverter setup used to test SiC components in an environment analogous to automotive traction inverters.

### US Environmental Protection Agency (EPA)

#### Student Services Contractor

December 2019 - May 2020 (6 months)

Raleigh-Durham-Chapel Hill Area

Worked as a student services contractor providing documentation and data analytics support for a project evaluating innovative sensors for Naphthalene.

### North Carolina State University

2 years 10 months

#### Graduate Research Assistant

August 2019 - May 2020 (10 months)

Raleigh, North Carolina

I work in the Mechanical and Aerospace engineering department as a research assistant focusing on biomedical imaging and ultrasound signal processing.

#### Undergraduate Research Assistant

August 2017 - May 2020 (2 years 10 months)

Raleigh-Durham, North Carolina Area

I worked developing a humidity and temperature controlled chamber for long-running fatigue tests on polymer composites for a contract with the US Navy. I have also worked using ultrasound and stroboscopic imaging in a tissue-mimicking gel to observe the effects different added particles would have, as well as working on creating a simulation to model how ultrasound propagates through rigid, porous, media such as bone.

## SolarPack

Electrical Team Leader

May 2017 - May 2020 (3 years 1 month)

Raleigh-Durham, North Carolina Area

I worked to design and build the worlds most powerful solar-electric vehicle. I lead a multidisciplinary team of 17 undergraduate and graduate students in designing all the electrical systems on this vehicle. These include the 1 KW solar array, the 440 V battery pack, the 12 V auxiliary circuits (lights, gauges, rear and side view cameras and their displays), custom charge controller, and boost converter. As well as performing administrative duties such as fundraising, networking in industry, interviewing and recruiting prospective members, and parts ordering and budgeting.

BMW Manufacturing Co., LLC

Controls Engineering Co-op

May 2018 - August 2018 (4 months)

---

## Education

North Carolina State University

Master of Science - MS, Electrical and Electronics Engineering · (January 2022 - December 2023)

North Carolina State University

Master's degree, Mechanical Engineering · (2020 - 2021)

North Carolina State University

Bachelor's degree, Mechanical Engineering · (2016 - 2019)