

# BRANDON SPANN

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## EDUCATION

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Western Carolina University – Cullowhee, NC

Bachelor of Science in Electrical Engineering – Expected May 2023

Course Highlights: Network Theory I, Logic Systems Design I, Computer Utilization, Ordinary Differential Equations, Engineering Practice & Principles II, Modern Physics, General Physics II, Calculus III

GPA: 3.66

East Lincolnton High School – Denver, NC

Diploma – June 2019

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## INTERNSHIP EXPERIENCE

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SJE Rhombus. – St. Petersburg, FL

*Intern* – Summer 2020

- Managed panel data using Microsoft Excel for production team
- Assisted production team in creation of panels and wiring
- Shadowed licensed electrical engineers for electrical CAD panel wiring and circuit design

Blum, Inc. – Stanley, NC

*Design Engineer Intern* – Fall 2018

- Developed computer aided design drawings to further company's database
- Incorporated the use of laser engraving, SolidWorks, and injection molding to accomplish the goals of various projects within the company
- Communicated different issues within the company to improve efficiency of processes

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## WORK EXPERIENCE

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Western Carolina University – Cullowhee, NC

*Tour Guide* – Fall 2019 – Present

- Communicated with prospective students and families regarding WCU programs during open houses and scheduled tour dates
- Worked with team members to answer questions about WCU
- Guided in the setup in different events and technical work at Western Carolina University

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## CAMPUS INVOLVEMENT

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*Member*, Club Volleyball – Fall 2019 – Present

*Member*, American Society of Mechanical Engineers – Fall 2019 – Present

*Member*, Institute of Electrical and Electronics Engineers – Fall 2019 - Present

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## SKILLS

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**Computer languages:** Proficient in Python, C++, hdl,

**Computer software:** CAD & 3D printing, Autodesk Inventor Pro (Certified, 2018), Adobe Photoshop (Certified, 2018), Adobe Illustrator (Certified, 2018), Adobe InDesign (Certified, 2018), Arduino Programming, Sketchup, MS Office 2016, Quartus Prime, MatLab,

**Interests:** 3D printing, Adobe animation, percussion ensembles, robotics, music, biking