

Brian McKinley

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<https://brianmckinley03.github.io/>

EDUCATION

- **Bachelor of Science in Electrical Engineering** from the University of Central Florida.
 - Expected Graduation May 2027, current GPA 3.6, Student of the Burnett Honors College UCF,
 - **Lake-Sumter State College**; Associates in Arts degree.
 - Graduated May 2023. GPA 3.7, LSSC Honors Student, member of the Student Government.
 - **Yu International Language and Cultural Academy** 友国際文化学院, Shin Okubo Japan
 - Certification of completion for the Summer Program of 2023
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RELEVANT SKILLS

- **SolidWorks CAD Certification**: experienced with parts, sketches and assemblies.
 - **FPGA Programming**: Vivado digital system program design and implementation
 - **Coding and scripting**: Python, C, HTML/CSS/JavaScript, MIPS assembly.
 - **Experience with tools**: signal generator, digital multimeter (DMM), soldering iron, oscilloscope
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WORK EXPERIENCE

- **Tutor of Mathematics and Calculus** for the Lake-Sumter State College learning center, 2023
 - **LSSC School Mascot**; Engaged with the student body at events, promoting school spirit.
 - **Event Staff / Estate Support**, at the Howey-Mansion and estate. 2021 – 2023
 - **Computer Repair Entrepreneur** 2020 – 2022
 - Hardware and software repair services for electronics including graphics cards and guitars.
 - **Florida True Landscape**, Howey in the Hills-FL, 2019
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LEADERSHIP AND VOLUNTEERING

- **"Excessive Churn/Turnover in Engineering,"**
 - Florida Collegiate Honors Council, (Conference presentation), 2023
- **IEEE Student Chapter**, Service Committee member and Volunteer, UCF, 2024 - 2025
- **Eagle Scout Rank**; Awarded October 10, 2017.
- **"Landscape Griffin Park" Eagle Project**,
 - Leader, planner and overseer for landscaping, 2017
- **Red Cross CPR, Wilderness First Aid Certified**, 2019
- **Habitat for Humanity**, Lake-Sumter-State-College days of service. (Mascotte, FL)
- **President and founder** of the Lake-Sumter-State-College Musician's Club.
- **Public waterfront dock reclamation project** for the town of Howey-in-the-Hills, 2019