

Wezley Mitchell

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wezley.net

University of Kentucky Mechanical Engineering student, well versed in CAD, DFM and Product Design. Working towards BSME with Aerospace certificate.

Skills

6 years of experience using 3D CAD software. Creo Pro-engineer, Autodesk. Tolerance analysis. Geometric tolerancing. CNC Machining. 3d printing. Li-ion rechargeable batteries. Wireless device enclosure design. Design of audio systems. PCB Design.

Experience

UK Innovation Center - Prototyping Guide Aug 2019 - Current

Teach students how to safely operate laser cutters, 3D printers, and CNC mills. Run safety training on power equipment. Help students decide what materials and manufacturing processes are best for their projects. Regularly maintain equipment. Give tours of the space to highschoolers and their family. Record logs of activity in the makerspace such as, people, machine running hours, material purchased.

Corman & Associates - Engineering Contract Nov 2018 - Jan 2019

Designed sensors, pcb, lighting, audio and programmed the control system of an interactive Nerf shooting range game cabinet. Installed and tested my components. Successfully finished the project to ship on time within budget.

Camp Invention - Leadership Intern June 2016, June 2017, June 2018.

Taught engineering principles to elementary schoolers over a week long summer camp. Demonstrated concepts using large scale models. Presented advanced topics such as space exploration in a way that was clear for elementary schoolers to understand. Prepared my own materials for lessons.

Education

University of Kentucky - Mechanical Engineering

Currently Enrolled, Graduation Year 2022.

GPA - 3.4, Relevant coursework: Creo Pro-engineer, Materials and Manufacturing, MATLAB, Calculus III, Autodesk CAD/CAM. Relevant extracurriculars: NASA robotic mining competition team.

Awards

Dean's List UK College of Engineering Fall 2018. Accepted to UK Lewis Honors College 2018. UK Provost Scholarship 2018-19-20. Vex Robotics Sportsmanship Award 2017. American Private Enterprise System Outstanding Youth Scholar Nominee 2017. APES Conference Scholarship 2017.