

Kalista Shields

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EDUCATION

B.S. | Berry College | May 2023

- Major: Creative Technologies
 - Minors: Computer Science and Communication Studies
- Berry College Forensics Union : *IPDA Debate National Champion*

EXPERIENCE

2018-2023 | Web Developer | Berry College

- Created and maintained over 100 pages on Berry College's official website, Berry.edu.
- Integrated legacy pages to a new content management system for Berry.edu
- Developed protocols to find and repair broken content on CMS to allow for better site accessibility.

2016 - Present | Laser and IT Consultant | LCS Consulting, Inc

- Proficient in the operation, and repair of Lumenis Duet Selecta Laser Trabeculoplasty for glaucoma procedures
- Worked with ophthalmologists throughout central Florida to integrate SLT technology into their practices
- Trained employees on SLT procedure, troubleshooting and set up of Lumenis Laser System

2016 | R&D Intern | Revision Optics

- Created packaging prototypes in Solidworks to better transport an ocular implant
- Executed failure analysis tests on packaging to determine failure modes from structural failure in transit

SKILLS AND COURSEWORK

● Coursework:

- Advanced Prototyping
- Rapid and Improvisational Prototyping
- 3D Design
- Practical Electronics
- Assistive Technologies Design
- Physical Computing
- Web Design

● Skills

- Fusion 360 and Solid Works
- C++, HTML, CSS, Javascript, PHP, Arduino
- EasyEDA and PCB design
- Adobe Photoshop
- Laser Cutting
- CNC technologies and 3D printing
- Reading, Writing, and Speaking Spanish

PRODUCT ENGINEERING PROJECTS

cosplAID: A mobility aid that converts from a guitar prop to a cane using a specialized handle. This device was made in Fusion360 and manufactured with a CNC router

Ottobot: A self-driving robot that used Processing and a webcam. I created thresholds for brightness values to help the bot determine what was the road and what was grass.