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| **Education** |  |
| Bachelor of Science in Biomedical Engineering | May 2021 |
| Wright State University, Dayton Ohio | GPA: 3.87, Tau Beta Pi, Dean’s List, Honors |

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| **Relevant Coursework** | | | |
| Bioelectronics I & II | Solidworks | Human Biomechanics I & II | General Chemistry I & II |
| Signals and Systems | MATLAB | Differential Equations | Physics I & II |
| Advanced Statistics for Engineers | Medical Imaging | Human Structures and Functions | Biology |
| Technical Communications | BioTransport |  |  |

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| **Technical Experience** | | | | |
| **Software Packages:** | | | **Skills:** | |
| SolidWorks | Cortex | Microsoft Office | Low, high, midband filters | Medical optics |
| MATLAB | Basic Simulink | Basic OpenSim | Fluid and solute transfer | Micro-pipetting |
| JMP |  |  | Circuitry | Technical briefing |

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| **Course Projects** | |
| **Medical Imaging “Treating Symptoms of mTBI” Mock Grant Proposal** | Fall 19 |
| * Researched and presented about the effects of a non-invasive LED treatment for mTBI * Wrote a mock grant proposal containing specific aim sections, research strategies, and a general research plan |  |
| **Introduction to Computation Raspberry Pi Group Project** | Fall 19 |
| * Built a circuit and programmed a Raspberry Pi to create a holiday light show that used MATLAB and Simulink * Coded the Raspberry Pi to be used as a voltmeter |  |
| **Solidworks Group Bridge Project** | Fall 19 |
| * Sketched 2D and 3D prototypes, modeled in Solidworks, and performed various stress tests * Constructed a bridge out of cardboard that held 10x its weight |  |
| **Technical Communications Group Infrastructure Proposal** | Spring 19 |
| * Researching a sensor-based automatic seat belt and presented a technical briefing report |  |
| **Biomechanics II Estimating Joint Reaction Forces** | Spring 19 |
| * Studied joint kinematics of lower joint movements while using OpenSim to analyze normal/ abnormal movements of gait cycle |  |
| **Biomechanics I Tendon Tension Project** | Fall 18 |
| * Performed biostatic analysis and used Excel to see if the calculated tension applied to the bicep tendon exceeded its threshold |  |

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| **Activities / Achievements** | |
| Society of Women Engineers, *President* | CSWA certification |
| Biomedical Engineering Society, *Vice President* | National Honors Society of Leadership and Success |
|  | Social & Behavioral Research CITI Certification |

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| **Work Experience** |  |  |
| Gross Anatomy I&II Undergraduate Teaching Assistant | Wright State University | Spring 19 - Current |
| Office Worker/ Auditor | AM Management | Summer 19 – Spring 20 |
| Learn to Skate Instructor | Kettering Ice Arena | Fall 17 – Spring 20 |
| General Chemistry I Learning Assistant | Wright State University | Spring 18 |