

Colin Hale-Brown

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OBJECTIVE

Obtain a position in the field of engineering and design. Assist a team to iterate and design effective solutions to complex problems.

SKILLS

- | | |
|---|---|
| • Computer Aided Design (CAD) | Solidworks, Fusion 350, Autodesk Inventor |
| • Computer Aided Engineering (CAE) | Solidworks, Fusion 350, Autodesk Inventor |
| • Programming Languages | Python, Java, C#, MySQL, Web Design |
| • Electronics | Sensors, Motors, Arduino, Raspberry Pi |
| • Machining & Welding | Steel, Aluminum |
| • Woodworking | |
| • CNC | 3D Printer, Router |
| • Applied Engineering | |
| • CPR & First Aid Certified | Infant, child, and adult |

EXPERIENCE

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|--|---------------------------|
| Pigmice Robotics #2733, Design Captain | May 2018 - Present |
| • Oversee all design, CAD, CAM and CAE for the 2018-2019 robotics season | |
| Team Lead | September 2017 - May 2018 |
| • Project managed the design and manufacturing of the robot for the FIRST Power Up robotics challenge | |
| CAD Lead | September 2015 - May 2018 |
| • Designed and CAD modeled the robot for the FIRST Stronghold, Steamworks, and Power Up robotic challenges | |
| Camp Westwind, Unit Assistant | June 2018 - August 2018 |
| • Assisted unit coordinator in supervising, activity programming, and entertaining campers | |

SUPPORTING EXPERIENCE

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|---|------------------|
| Explorers Robotics, Scouts Instructor | 2015 - Present |
| OMSI Maker Faire, FIRST Robotics Presenter | 2016, 2017, 2018 |
| Outdoor School, Student Leader | 2017 |
| Runner2Runner, Youth Coach | 2016, 2018 |

ACHIEVEMENTS

- | | |
|---|--------------------|
| Engineering Inspiration Award, Lake Oswego | 2018 |
| National Honor Society | May 2017 - Present |
| Featured Design on Instructables | June 2017 |
| • https://www.instructables.com/id/Universal-Arduino-Controller/ | |

EDUCATION

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|------------------------------|---------------------|
| Cleveland High School | Expected June 2019 |
| CAD Operator (PCC) | Expected March 2019 |