

# KYLE TOLLIVER

EDUCATION		CONTACT INFO
2017 2020	<ul style="list-style-type: none"><li><b>Bachelor of Science in Software Engineering</b> Brigham Young University - Idaho<ul style="list-style-type: none"><li>Graduated with 3.6 GPA and Tau Beta Pi Honors</li><li>Minor: Computer Engineering and Data Science</li><li>Coursework: Advanced Embedded Systems, Digital System Design, Computer Architecture, Circuit Analysis, Machine Learning, System Security, Project Management, Intermediate Stats, Data Wrangling, Database Development, Applied Development, Linear Algebra, Discrete Math, Differential Calculus</li></ul></li></ul>	 kyle@tollivers.org  (805)367-6723  Highland, Utah, USA  <a href="https://linkedin.com/in/kctolli/">linkedin.com/in/kctolli/</a>  <a href="https://kctolli.github.io">kctolli.github.io</a>
EXPERIENCE		SKILLS
2020	<ul style="list-style-type: none"><li><b>Assistant Project Manager</b> RBDC - Research and Business Development Center<ul style="list-style-type: none"><li>Used Python to create functions and Machine Learning algorithms</li><li>Developed code in shortest path optimization for warehouse robot</li><li>Lead Scrum meetings and helped programmers develop code</li></ul></li></ul>	Python C / C++ R / Rmd Verilog SQL HTML/CSS JavaScript Java Tableau Github
2020	<ul style="list-style-type: none"><li><b>Research Specialist Intern</b> LLNL - Lawrence Livermore National Labs<ul style="list-style-type: none"><li>Tested security technologies using binary analysis</li><li>Conducted market research on new security techniques</li><li>Followed Scrum methodology and Kanban (Trello) board</li></ul></li></ul>	
2020	<ul style="list-style-type: none"><li><b>Student Senior Designer</b> NASA - National Aeronautics and Space Administration<ul style="list-style-type: none"><li>Developed C interface for the sensors in NASA's future Spacesuit</li><li>Benchmark tested PolarFire microprocessor in C++</li><li>Setup a website using Rmds, CSS and Yaml</li></ul></li></ul>	
PROJECTS		SKILLS
2020	<ul style="list-style-type: none"><li><b>Spotify Predictive Analytics</b> BYU - Idaho, Computer Science and Engineering<ul style="list-style-type: none"><li>Used energy, liveliness, length and tempo to predict song popularity</li><li>Created Regression models in R</li><li>Developed Neural Networks and Decision Trees using Python</li></ul></li></ul>	
2020	<ul style="list-style-type: none"><li><b>COVID-19 Data Consulting</b> BYU - Idaho, Computer Science and Engineering<ul style="list-style-type: none"><li>Developed a data website using R, Rmds and Yaml</li><li>Explored different datasets to determine viable information</li><li>Visualized the data to make the data easily understood</li></ul></li></ul>	
2020	<ul style="list-style-type: none"><li><b>Self Driving Car</b> BYU - Idaho, Computer Science and Engineering<ul style="list-style-type: none"><li>Designed and assembled electronic circuits</li><li>Programmed Motor Control on Arduino with Embedded C</li><li>Setup Raspberry Pi for Deep Learning and Computer Vision</li></ul></li></ul>	