

KYLE TOLLIVER



EDUCATION

2017
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2020

- **Bachelor of Science in Software Engineering**
Brigham Young University - Idaho
 - Graduated with 3.6 GPA and Tau Beta Pi Honors
 - Minor: Computer Engineering and Data Science
 - 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



EXPERIENCE

2020

- **Assistant Project Manager**
RBDC - Research and Business Development Center
 - Developed Python code for shortest path optimization
 - Followed Scrum methodology and Kanban (Trello) board
 - Helped programmers develop code

2020

- **Research Specialist Intern**
LLNL - Lawrence Livermore National Labs
 - Tested security technologies using binary analysis
 - Conducted market research on new security techniques
 - Performed predictive analytics on purchase trends

2020

- **Student Senior Designer**
NASA - National Aeronautics and Space Administration
 - Developed C interface for the sensors in NASA's future Spacesuit
 - Benchmark tested PolarFire microprocessor in C++
 - Setup a website using Rmds, CSS and Yaml



PROJECTS

2020

- **Spotify Predictive Analytics**
BYU - Idaho, Computer Science and Engineering
 - Used energy, liveliness, length and tempo to predict song popularity
 - Created Regression models in R
 - Developed Neural Networks and Decision Trees using Python

2020

- **COVID-19 Data Consulting**
BYU - Idaho, Computer Science and Engineering
 - Developed a data website using R, Rmds and Yaml
 - Explored different datasets to determine viable information
 - Visualized the data to make the data easily understood

2020

- **Self Driving Car**
BYU - Idaho, Computer Science and Engineering
 - Designed and assembled electronic circuits
 - Programmed Motor Control on Arduino with Embedded C
 - Setup Raspberry Pi for Deep Learning and Computer Vision

CONTACT INFO

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SKILLS

Python

C / C++

R / Rmd

Verilog

HTML / CSS

JavaScript

SQL / NoSQL

Java / C#

Tableau

Github