KYLE TOLLIVER

🎓 EDUCATION

2017 – 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
- Used Python to create functions and Machine Learning algorithms
- Developed code in shortest path optimization for warehouse robot
- Lead Scrum meetings and 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
- Followed Scrum methodology and Kanban (Trello) board

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

- ✉ kyle@tollivers.org
- 📞 (805)367-6723
- 📍 Highland, Utah, USA
- in linkedin.com/in/kctolli/
- 🔗 kctolli.github.io

SKILLS

Python
C / C++
R / Rmd
Verilog
SQL
HTML / CSS
JavaScript
Java
Tableau
Github