

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

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 kctolli.github.io

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

SKILLS

Python

C / C++

R / Rmd

Verilog

HTML / CSS

JavaScript

SQL / NoSQL

Java / C#

Tableau

Github

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