# KYLE TOLLIVER

## 💼 EXPERIENCE

**2021 | Present**

**Software Developer II**
Younique Products
- Improved and maintained systems to be optimized and secure
- Researched and implemented efficient software systems
- Wrote maintained legacy features and deployed new features

**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

## 🎓 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

## 💻 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
HTML / CSS
JavaScript
Node / Express JS
SQL / NoSQL
Verilog
GoLang
Java / C#
Tableau
Github