

KYLE TOLLIVER

EXPERIENCE

- 2021 | Present • **Software Developer**
Younique LLC
• Maintained and improved systems to be optimized and secure
• Researched and implemented efficient software systems
• Wrote unit tests to evaluate and deploy 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

CONTACT INFO

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SKILLS

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

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