

# Ryan Moe

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EDUCATION	<b>Brigham Young University</b> 04/2019 <b>Major:</b> Computer Engineering, B.S. <b>Minor:</b> Computer Science & Mathematics	Provo, UT 2016 – 2019 <b>GPA: 3.71</b>
PROFESSIONAL EXPERIENCE	<b>Software Engineer - Fullstack</b> <i>Dyno Nobel</i>	Cottonwood Heights, UT Mar 2021 – Present
	<ul style="list-style-type: none"><li>Added features to React frontend web application for blast recording</li><li>Maintained and developed Python backend APIs and Postgres database</li><li>Worked with team to write testable, deliverable, high-quality code</li></ul>	
	<b>Software Engineer - Fullstack</b> <i>SmarterAI Corporation</i>	Las Vegas, NV Oct 2020 – Jan 2021
	<ul style="list-style-type: none"><li>Developed smart camera applications for Linux and Android platforms</li><li>Enhanced React front-end to create cloud platform making AI cameras accessible</li><li>Programmed microcontrollers embedded in Android custom dashcams</li><li>Enhanced knowledge of AI models, IoT device onboarding, and cloud microservices</li></ul>	
	<b>Software Engineer</b> <i>Raytheon Technologies</i>	West Valley City, UT May 2019 – Oct 2020
	<ul style="list-style-type: none"><li>Resolved bugs and added features in an AGILE team setting on custom-software designed for military-grade communication devices.</li></ul>	
	<b>Software Engineering Intern</b> <i>Northrop Grumman</i>	McClellan, CA May 2018 – Feb 2019
	<ul style="list-style-type: none"><li>Collaborated with teams of engineers to provide software solutions to important defense weapons, surveillance technology, simulations, and navigation systems</li></ul>	
	<b>Research Assistant</b> <i>Brigham Young University – C-UAS L3 Air Collision Avoidance</i>	Provo, UT Oct 2017 – Apr 2018
	<ul style="list-style-type: none"><li>Designed VHDL modules programmed on drone FPGA</li></ul>	
	<b>Digital Design Intern</b> <i>Northrop Grumman Mission Systems</i>	McClellan, CA May 2017 – Aug 2017
	<ul style="list-style-type: none"><li>Created software scripts to test Xilinx radio card tuning errors</li></ul>	
LEADERSHIP	<b>Zone Leader</b> <i>Church of Jesus Christ of Latter-Day Saints</i>	Fukuoka, Japan May 2015 – November 2015
	<ul style="list-style-type: none"><li>Trained, supervised, and motivated 24 missionaries in their ministering work</li></ul>	
	<b>Black Belt Instructor</b> <i>Omega Martial Arts</i>	Pleasant Grove, UT September 2012 – January 2016
	<ul style="list-style-type: none"><li>Recruited new students, provided one-on-one instruction to students aging from 5 to 70 years old, led large classes of students through forms, techniques, and sparring</li></ul>	
SKILLS		
<ul style="list-style-type: none"><li>Japanese – speaking, reading, writing</li><li>Javascript, Python, C, C++, Java</li><li>HTML, CSS, Express, NodeJS, React</li><li>Flask, Marshmallow, SQLAlchemy</li><li>GraphQL, RESTful</li><li>Postgres, MySQL, Mongo</li><li>Linux, Mac, Windows OS</li><li>Git &amp; Version Control</li><li>Docker</li><li>AGILE development</li><li>Jira</li><li>x86 ISA</li><li>STM32 microcontrollers</li><li>Learning new technologies</li><li>Working with unfamiliar code base</li></ul>		