

# James McKay

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*Extroverted father, relentless tinkerer, and an owner of one too many hobbies.*






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<https://github.com/teejaytiger/>



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Experience	Relevant Skills
<b>Intel Corporation</b> Software Application Engineer May 2018 to Present + High touch 3rd party client optimizations and performance analysis. + Worked on HW systems from RTL/FPGA projects through distributed SW + Managed/owned <a href="#">Intel Power Gadget</a> and designed a complete overhaul + Identified issues in pre-production hardware and developed value prop analysis on both unreleased internal projects and <a href="#">Optane Memory</a>	 + C++, C#, Python, VHDL + Microarchitecture Analysis + Tools Development
<b>Coding With Kids</b> Instructor Dec 2017 to May 2018 + Educated the next generation of Engineers on coding concepts + Forced OO into a platform with no OO + Created an advanced lunar lander software suite with simplified controls <a href="#">entirely in Scratch</a>	 + Python, Scratch + Patience + Boxless thinking + Concept distillation
<b>Hyperloop Transportation Technologies</b> HTT Engineering Specialist Feb 2016 to Jan 2018 + Worked with an international team + Delivered a custom human resources management tool + Trusted to validate security controls and infrastructure	 + Web technologies + Open Source
<b>Digital Domain/ IM360</b> FPGA Design Engineer Aug 2016 to May 2017 + Built blocks for integration into real time 360° motion video cameras + Restructured test environment and procedure to reduce design, implementation, and execution time for test benches in simulation. + Utilized co-simulation platform to improve testbench production time by leveraging software experience	 + VHDL, Xilinx + Image Processing + Real Time

Experience		Relevant Skills
<b>US Army</b> Intelligence Analyst and Satellite Technician Apr 2008 to Mar 2011 <ul style="list-style-type: none"><li>+ Focused on socio-political, international, and military dynamic of NE Asia at a strategic leadership decision level</li><li>+ Full-Motion Video distribution through three air-gapped networks</li><li>+ Received training on JMICS system from General Dynamics</li><li>+ Maintainer/Operator working outside of primary military MOS</li><li>+ Maintained, authorized, and distributed usage of over 70 SATCOM circuits from 256kbps to 4096kbps</li><li>+ Received additional training for the JMICS system by ManTech</li></ul>		 <ul style="list-style-type: none"><li>+ Trojan Spirit v3</li><li>+ JMICS, and GBS SATCOM</li><li>+ NOC Authority</li><li>+ Cable running</li><li>+ Customer Engagement</li><li>+ SATCOM Terminals</li></ul>
<b>Community</b>		
	<b>Challenge Referee</b> Oregon Robotics Tournament & Outreach Program (ORTOP) 2018	
	<b>Teacher</b> Women's Empowerment 2019	
	<b>Foster Mentor</b> AgingUp 2020 - Present	
<b>Education</b>		
	<b>BAS Multidisciplinary Studies</b> Rochester Institute of Technology 2009 - 2016	