

James McKay



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






<https://www.linkedin.com/in/tamjam/>



<https://github.com/teejaytiger/> Find my resume here!



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Experience	Relevant Skills
<p>Intel Corporation Software Application Engineer May 2018 to Present</p> <ul style="list-style-type: none"> + High touch 3rd party client optimizations and performance analysis. + Worked on HW systems from RTL/FPGA projects through distributed SW + Managed/owned Intel Power Gadget and designed a complete overhaul + Identified issues in pre-production hardware and developed value prop analysis on both unreleased internal projects and Optane Memory 	 <ul style="list-style-type: none"> + C++, C#, Python, VHDL + Microarchitecture + Performance Analysis + Tools Development
<p>Coding With Kids Instructor Dec 2017 to May 2018</p> <ul style="list-style-type: none"> + 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 entirely in Scratch 	 <ul style="list-style-type: none"> + Python, Scratch + Patience + Boxless thinking + Concept distillation
<p>Hyperloop Transportation Technologies HTT Engineering Specialist Feb 2016 to Jan 2018</p> <ul style="list-style-type: none"> + Worked with an international team + Delivered a custom human resources management tool + Trusted to validate security controls and infrastructure 	 <ul style="list-style-type: none"> + Web technologies + Open Source

Experience

Relevant Skills

Digital Domain/ IM360

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

US Army

Intelligence Analyst and Satellite Technician

Apr 2008 to Mar 2011

- + Focused on socio-political, international, and military dynamic of NE Asia at a strategic leadership decision level
- + Full-Motion Video distribution through three air-gapped networks
- + Received training on JMICS system from General Dynamics
- + Maintainer/Operator working outside of primary military MOS
- + Maintained, authorized, and distributed usage of over 70 SATCOM circuits from 256kbps to 4096kbps
- + Received additional training for the JMICS system by ManTech



- + Trojan Spirit v3
- + JMICS, and GBS SATCOM
- + NOC Authority
- + Cable running
- + Customer Engagement
- + SATCOM Terminals

Community



Challenge Referee

Oregon Robotics Tournament & Outreach Program (ORTOP)
2018



Teacher

Women's Empowerment
2019



Foster Mentor

AgingUp
2020 - Present

Education



BAS Multidisciplinary Studies

Rochester Institute of Technology
2009 - 2016