

# Fabio H. Hsu

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<b>Education</b>	<b>THE OHIO STATE UNIVERSITY</b> Bachelor of Science in Electrical and Computer Engineering, May 2014	<b>Columbus, OH</b>
<b>Experience</b> 2016 - Today	<b>GENERAL MOTORS</b> <i>Hardware &amp; Software Diagnostic Engineer</i> <ul style="list-style-type: none"><li>Developed and modified test automation cases to perform regression tests on new candidate firmware; successfully caught more than 50+ bugs enabling the team to establish a solution prior to release</li><li>Generated detailed reports on failed tests that pinpointed the cause of error; reports documented issues and assisted the team resolve similar errors</li><li>Redesigned regression testing software by adding several functionalities increasing overall efficiency and productivity; saved \$50K annually in engineering hours</li><li>General Motors CCARRY Award: Team was awarded for aiding in the creation of a highly utilized diagnostic tool (MDI 2) with minimum release issues (12 out of 100 teams were awarded)</li></ul>	<b>Warren, MI</b>
2014 - 2016	<i>Data Management Engineer</i> <ul style="list-style-type: none"><li>Composed multiple Python scripts to effectively automate and accelerate team's tasks; improving turnaround time from 3 hours to 30 minutes</li><li>Evaluated the serviceability of vehicle's electrical components (rear cameras, park assist sensors, tire pressure sensors, etc.); resolved 500+ serviceability issues annually, exceeding team's average amount of cases solved per year by approximately 40%</li><li>Led training presentations and mentored new employees in the team; created a manager approved onboarding instruction manual to replace the outdated training process</li></ul>	<b>Warren, MI</b>
2013	<b>AMETEK SOLID STATE CONTROL</b> <i>Electrical Engineering Intern</i> <ul style="list-style-type: none"><li>Served as cultural liaison to bridge Brazilian market by effectively utilizing AutoCAD to draw multiple product models and circuits in Portuguese</li><li>Assisted in development projects on construction/test of transformers, uninterrupted power supply and generators to ensure the best quality products were being made</li></ul>	<b>Columbus, OH</b>
<b>Skills</b>	<ul style="list-style-type: none"><li><i>Programming:</i> C++, Ruby, Python, Swift, SQL, Java, Selenium, HTML, CSS</li><li><i>Automotive:</i> CAN/CAN FD, J2534, ISO 15765, UDS</li><li><i>Languages:</i> English (native), Portuguese (native), Spanish (advanced), Mandarin (basic)</li></ul>	
<b>Personal</b>	<ul style="list-style-type: none"><li>Top 10, 2017 General Motors Synapse Innovation Competition (250+ participants)</li><li>Built 3D-printed RC cars controlled by a microcontroller. See following link for demonstration video: <a href="https://vimeo.com/242871519">https://vimeo.com/242871519</a></li><li>Developed a Ruby Script that checks flight ticket prices every 30 minute and automatically buys the ticket if it meets the user's wanted price</li><li>Soccer enthusiast (All Star player and Flanagan High School Captain)</li></ul>	