

# Michael Graves

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## Experience

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<b>Software Engineer</b>	<b>Elektrobit Automotive</b>	<b>11/2019 - Present</b>
<ul style="list-style-type: none"><li>• Configuration of classic AUTOSAR RTE, MCAL, BSW, and communication interfaces for customer projects</li><li>• Outline adaptive AUTOSAR configuration, proxies/skeletons, and communication interfaces for customer projects</li><li>• Team lead for GM research projects including configuration of gateway nodes and service-based communication</li><li>• Development of adaptive AUTOSAR application to test DDS / SOMEIP communication protocols</li><li>• Received internal “Driven” award for quality and cost-effective product delivery</li><li>• Local cybersecurity expert, responsible for handling related questions for customers directly</li></ul>		
<b>Software Engineer II</b>	<b>Sumitomo Electric Wiring Systems</b>	<b>6/2018 – 11/2019</b>
<b>Software Engineer I</b>	<b>Sumitomo Electric Wiring Systems</b>	<b>1/2017 – 6/2018</b>
<ul style="list-style-type: none"><li>• Design, test, and implement modular software in C for 8/32-bit microcontroller-based automotive electronic control systems</li><li>• Using V model development, follow life cycle of electronic module development from prototype to mass production stages</li><li>• Use static code analyzers QA Framework and Polyspace to debug and ensure strict coding guidelines</li></ul>		
<b>Pricing Specialist</b>	<b>Sumitomo Electric Wiring Systems</b>	<b>01/2015 – 01/2017</b>
<ul style="list-style-type: none"><li>• Conduct pricing analysis based on design change and new automotive requirements</li></ul>		

## Skills

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Languages:	C, C++, Python, Assembly, and Java
Microprocessors:	Microchip (PIC12F1840), Renesas (RH850, R-car H3), NXP (S32K142), Infineon (TC297, TC397)
IDE/Compilers:	EB Tresos, EB Corbos, MPLAB XC8, CS+, S32DS, GCC, Eclipse
Development Software:	CANoe, CANdb++, GENy, Reqtify, Subversion, QAC, Polyspace, Enterprise Architect
Standards:	AUTOSAR, AutoSPICE, ISO26262, MISRA, ANSI C
Operating Systems:	Microsoft, Linux
Communication Protocols:	CAN, CAN-FD, FlexRay, Ethernet
Lab Equipment:	Oscilloscope, Function generator, Power supply, Breadboards

## Education

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<b>Rochester, MI</b>	<b>Oakland University</b>	<b>9/2010 – 12/2014</b>
<ul style="list-style-type: none"><li>• B.A. in Psychology</li></ul>		