

DARREN MASCIOLI

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Summary	Emerging professional with experience in embedded systems development and debugging for real world applications. Interested in post-graduate employment opportunities.		
Education	University of Pittsburgh – B.S. in Computer Engineering Minor in Political Science GPA: 3.78 Relevant Coursework: Software Engineering, Embedded Processors and Interfacing, Databases, Data Science, Algorithms, Operating Systems, Software Quality Assurance, Digital Design, Computer Architecture, Data Structures, Web Applications, Digital Logic, Computer Organization, Electronic Circuits and Systems, Digital Systems Lab, Written Professional Communications		Pittsburgh, PA Exp. Graduation: December 2020
Skills	Languages: Java, C, C#, HTML/CSS, JavaScript, Python, SQL	Tools: Visual Studio, Eclipse, Git, SVN, Jira, JUnit, Selenium, HDL Designer, ModelSim	Operating Systems: Windows (10, 7), Linux (Ubuntu, Debian), Embedded Round Robin, RTOS/ThreadX Hardware: Soldering (THT, SMD), DMM, Oscilloscope, I2C, SPI, 1-Wire, Modbus, UART
Experience	Bridge Fusion Systems <i>Software Engineering Co-Op</i> <ul style="list-style-type: none">Added new firmware feature to power dissipation devices to automatically prevent generator wet stacking. (C, ARM – NXP)Implemented firmware features for streetcar track switch equipment including adding support for new SPI flash memory component. (C, ARM – STM32)Created additional software feature to update firmware version of multiple IoT devices at one. (C#)Expanded functionality of and created multiple WPF GUI applications. (C#)Performed product demonstrations to clients to ensure correct implementation of requirements.		Plum, PA May 2018 – Present 3-rotation co-op
Projects	2020 NAESC Engineering Leadership Summit <i>Conference Director</i> <ul style="list-style-type: none">Coordinated and directed two-day national conference for almost 300 attendeesManaged budget of approximately \$80,000 and communicated purpose of conference and national organization to secure about \$10,000 worth of corporate sponsorship dealsFacilitated virtual conference activities after cancellation of event due to COVID-19		Pittsburgh, PA April 2019 - March 2020
Leadership	Engineering Student Council <i>Conference Director, Vice President, Board Member</i> <ul style="list-style-type: none">Conference director for NAESC Engineering Leadership Summit, a national conference for over 300 student leaders hosted at Pitt.Work with other officers to promote academic, professional, and social development within Pitt Engineering.Attend regional and national conferences to develop and expand leadership and communication skills.		Fall 2017 – Present
Achievements	University of Pittsburgh Dean's List University of Pittsburgh Merit Scholarship Tau Beta Pi Engineering Honor Society – Vice President		Multiple Semesters May 2019 – Present