

R&D Software Engineer R&D Software Engineer Software Developer Eugene, OR Software engineer with a passion for embedded systems, high performance computing, and system architecture. Empathetic leader and personal coach. Fluent speaker of Japanese. Google Maps Master Contributor. Authorized to work in the US for any employer Work Experience R&D Software Engineer Datalogics, Inc. - Eugene, OR November 2018 to Present Design image processing, filtering, and machine vision algorithms for barcode, 2D code, and OCR decoding Integrate and configure decoding and vision software for thousands of devices used by major brands such as Kroger and Target Improve decoding software and resolve critical defects through rigorous regression testing Software Developer IMS Integration - Corvallis, OR August 2018 to November 2018 Integrate core credit union system software modules for more than 65 credit unions nationwide Optimize batch scripts to accommodate more than 100,000 union accounts and reduce load times by half Consult with and assist up to five client on a weekly basis to meet rapidly changing demands Microcontroller Developer University of Oregon SPICE Program - Eugene, OR June 2018 to August 2018 Designed in-house system utility libraries in C++ for productions systems Reduce hardware costs by up to 25% by designing optimized circuits for use in embedded systems Consult with 40+ clients and executives to ensure customer satisfaction Resident Assistant Coordinator University of Oregon Housing, Global Scholars Hall - Eugene, OR August 2017 to June 2018 Ensure building cohesion by facilitating executive communication Assist campus partners to design and facilitate social and educational events Plan meetings, hall events, building inspections, and drills to ensure employee cohesion Increase efficiency by evaluating and designing departmental procedures Delegate tasks, coordinate communication, and utilize constructive criticism to maintain productivity Serve in and coordinate nightly on-call rotation to address disruptive behavior Facilitated staff activities to enhance social relations, define roles, and promote independence Empathize, recognize, mediate conflict, and listen actively to promote healthy relationships Accomplish a 50% staff retention rate through effective leadership and professional development Web Application Developer Center for Applied Second Language Studies - Eugene, OR September 2015 to June 2017 Co-redesigned new web application for

language-learning with Yii 2 and PHP      Reduced load times by up to 80% by optimizing sorting, rendering, and comparison algorithms      Implemented new functionality still in use to support national language-learning program with thousands of users      Developed searchable relational database to match students with language-learning materials      Responded to and supported thousands of clients via telephone and email

Education Bachelor of Science in Computer Science  
University of Oregon - Eugene, OR September 2014 to June 2018

Skills C++ (4 years), Java (3 years), Python (3 years), HTML (4 years), Javascript (3 years), Software Development (3 years), Git (3 years), Eclipse (3 years), C (4 years)

Links <https://www.linkedin.com/in/jordanmlewis/>

Awards Excellence in Rational Process 2013-12 Outstanding Student Employee 2018-06

Additional Information Skills    Languages: C/C++, Java, Python, Javascript, Arduino, HTML, CSS, PHP, ISPC, OpenMP, OpenACC, SML, Haskell    Software/Environments: Windows 10, Linux, , RTXC, IBM DOORS, IBM JAZZ, Eclipse, IntelliJ IDEA, PyCharm, Git, Valgrind, MySQL, Maya, JIRA

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