

Joshua Olson

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Versatile, results-driven electrical engineer and team leader with exceptional people and interpersonal skills and a strong background in very high frequency RF technology. I bring world-class communication and a proven ability to drive incremental gains to transform the way an organization makes efficient progress that leads to measurable success.

Work Experience

Keysight Technologies, Colorado Springs, CO

Product Engineer/Production Manager

August 2017 – Present

- Lead manufacturing/test team for the highest-performance oscilloscope front end in the world
- Established and enabled consistently effective transitions and workflows for bringing new product introductions from R&D design to manufacturing with smooth integration and scalability
- Transformed a probes/IC test group into the only team in the company capable of high-performance/high-frequency multi-chip module manufacturing test with remarkable efficiency and transparency
- Acted as technical ambassador with the manufacturing team in Malaysia, leading one of the highest-efficiency and strongest collaborating product manufacturing teams in the company with <5% yield loss
- Successfully improved yield on eight different products by more than 40%
- Owned engineering management of non-nettable inventory items exceeding \$1M annually
- Championed continuous improvement initiatives throughout the product test lifecycle through cross-functional brainstorming, leading to a 25% reduction in average production time across the board
- Managed customer relationships by coordinating communication between engineering teams and overseas manufacturing sites, implementing corrective actions that improved product reliability and ensured compliance with engineering standards

Application/Rotational Engineer

August 2016 – August 2017

- Coordinated scheduling and shipments with “Scope Month” promotion winners around the world
- Designed and implemented Python upgrades for die attach machines on the production floor

Zebulon Solutions, LLC, Longmont, CO

Electrical Engineering Intern

May 2015 – May 2016

- Evaluated prototype design efficiently for functionality, manufacturability, and product lifecycle
- Consulted with customers directly to discuss design change proposals and meet their needs

Colorado State University Electrical Engineering Department

Lead Teaching Assistant

January 2014 – May 2016

- Advised and instructed class of 150+ students; organized curriculum for lectures and review sessions
 - Increased average class grade by a full letter grade through insightful, true student-focused teaching
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Education

Master of Science in Electrical Engineering, RF Concentration

December 2022

University of Colorado Colorado Springs - Colorado Springs, CO

Bachelor of Science in Electrical Engineering, Mathematics Minor

May 2016

Colorado State University - Fort Collins, CO

Skills and Qualifications

- Team management, cross-functional collaboration, stakeholder engagement, scheduling/staffing/budgeting
- RF design/test/manufacturing, failure analysis, hardware with some software
- Python, C++, Java, Advanced Design System, CAD, MATLAB, SPICE