

CARLOS BERROCAL

carlosberrocal.us@gmail.com | 208-340-5036 | Boise, ID 83704 | <http://www.linkedin.com/in/carlosberrocal>

Summary

Passion and innovate Engineer with 5+ years of experience, offering progressive career in semiconductor. Exceptional problem-solving abilities both in team-oriented and self-motivated settings. Dedicated to delivering product excellence and exceeding customer expectations.

Skills

- Self-initiative, result-oriented with a growth mindset
- Ability to partner successfully with cross-functional teams
- Experience in storage & memory technologies such as SSD, DRAM and NAND
- Excellent analytical, analysis, and problem-solving skills
- Experience with object programming in Python, Java
- Experience with Tableau, Matplotlib and SQL databases
- Experience on automate performance, and analysis tools
- Experience with machine learning libraries such as Pandas, NLTK, Scikit-Learn and TensorFlow
- Experience finding solution to technical challenges using Machine Learning, Deep Learning, and Natural Language Processing method

Experience

Micron Technology, INC | Boise, ID

Product Development Engineer

01/2020 - Current

- Developed and maintained DRAM DDR4 test programs for product qualification and releases.
- Evaluated test results and prepared system-level reports to detail findings and validate system performance.
- Implemented quality assurance testing methodologies and controls.
- Investigate manufacturing issues related to Probe and Test processes and identify and implement solutions.
- Collaborated with cross-functional engineering teams to support product knowledge or technology.

Micron Technology, INC | Boise, ID

SSD Product Engineer

05/2015 - 12/2020

- Developed and design test plans/scripts to evaluate new product features to improve test coverage and efficiency.
- Collaborated with system engineers to implement operating procedures and resolve system malfunctions.
- Determined root cause analysis and testing activities.
- Developed data management plans to collect, manage and analyze data.
- Implemented automation tools procedures for SSD testing data for statistical analysis and visualization, powering manufacturing decision to reduce test facility cost.

Education and Training

Boise State University | Boise, ID

Master of Science in Electrical & Computer Engineering

Expected in 05/2021

- Major in AI and Machine Learning
- Completed coursework in Artificial Intelligence, Machine Learning, Deep Learning, Pattern Recognition & Machine Learning, Natural Language Processing, Data Science, Computer Architecture and Embedded Computing Systems

Boise State University | Boise, ID

Bachelor of Science in Electrical & Computer Engineering

05/2016