

Seiji Nair

Campbell, CA

(919) 265-3334 | seijinair@gmail.com | seijinair.com | [LinkedIn](#) | [Cognitive Profile](#) | [Portfolio](#)

Summary

- Background in Mechanical Engineering, Electrical Engineering, Music Technology and Software Development
 - 7+ years at Intel working in Quality & Reliability, Operations, and Failure Analysis
 - Programming experience: Python, JavaScript, SQL, UNIX, bash/shell scripting, Selenium, MATLAB, HTML/CSS
 - Proficient with Jira, Asana, Tableau, JMP, Figma, Git, Excel/VBA, Google Sheets API, Solidworks, AutoCAD
 - M.S. Music Technology in progress, 4.0 GPA
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Testimonial

"Seiji is a phenomenal collaborator...in a short period of time, he was able to streamline our data management and tooling system, and support onboarding of our entire org to the new system. He is meticulous, creative, and solutions-oriented, often with little to no active direction. He was an invaluable resource to our organization, and any team looking for technical expertise paired with a strong communicator and collaborator would be very fortunate to hire Seiji."

Eleanor Thibeaux,
manager (Meta)

Employment History

Waymo

2023 - now

Senior Systems Engineer

- Data analysis to identify and root cause novel bugs that arise, collaborating with HW, Reliability, SWE, Ops teams
- Building dashboards, scripts, and tools to monitor HW/SW performance and debug failures
- Defining product requirements and driving implementation of new features, working with Product, Legal, SWE teams
- Collaborating with test engineers to validate critical functionality on latest SW releases
- Managing multiple concurrent workstreams and deadlines in a highly dynamic startup environment

Meta

2021 - 2023

Operations Engineer, Sound Design

- Designed, built, and documented an automated tracking system from the ground up for an org of 100+ using SQL and JavaScript, joining tables from HR and task databases using SQL
- Enabled data-driven decision-making at the Director level concerning resource allocation, bandwidth forecasting and portfolio management for all Meta products: Messenger, Instagram, Whatsapp, Oculus, Workplace, Facebook
- Communicated across a wide variety of technical and non-technical stakeholders to get buy-in and onboard org
- Led hackathon project of 10 engineers and designers to integrate focus-enhancing audio into Workplace

Intel

2013 - 2021

Product Development Engineer, Quality & Reliability (2020 - 2021)

- Owned validation of burn-in test content within Quality & Reliability org for multiple next-gen server chips, delivered 3x more test patterns than expected through use of bash scripts and Python automation for data analysis
- Led bring-up of new fleet of testers in AZ fab; initiated and led task force that successfully eliminated multi-week delay due to tester availability, enabling team to deliver critical test program for Sapphire Rapids on schedule

Operations Engineer, Drone Light Shows (2017 - 2020)

- Technical Lead, executing shows with thousands of synchronized drones around the world for high-profile events including multiple Guinness World Record breaking shows, Winter Olympics, Coachella Music Festival, etc.
- Tracked system failures across multiple shows to identify common failure modes and emerging manufacturing issues
- Developed automation tools to streamline drone registration, report generation, and site assessments

Failure Analysis Microscopist (2013 - 2017)

- Isolated failures on 10nm process technology using a variety of FA methods: SEM, TEM, EDS, AFM, nanoprobeing
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Education

Bachelor of Science, Mechanical Engineering

North Carolina State University