SOFTWARE ENGINEER
Carl Molina

PROFILE
Full-stack software engineer w/ five years of autonomous vehicle operations experience.
Work-passionate individual contributor seeking long-term growth w/ storied KPI success in
high-impact, fast-paced environments. Strong technical knowledge, proactive learning w/ consistent
interpersonal skills enabling efficient collaboration between all types of clients.

EXPERIENCE
FIELD OPERATOR SPECIALIST III, KETT ENGINEERING - MAY 2018 - MAY 2023
- Served as Calibrations and Sensor Health DRI for autonomous vehicle operations in a dynamically-changing, fast-paced onsite setting w/ a variety of high-value clients.
- Managed a team of driver-operators, facilitating optimal use of labor allocation, following SOPs, and encouraging best practices, resulting in higher team retention rates, increased overall technical/product knowledge and productivity by 150% and decreased human operator error to less than 10%.
- Consistently completed successful high-volume calibration sprints in advance of deadlines, delivering and meeting company/client goals, and pushing overall project readiness ahead of schedule in high-impact, high-profile scenarios.
- Increased average full systems calibration cycles from 2 vehicles/day to 4 vehicles/day.
- Collaborated closely w/ engineers, project managers, and stakeholders to expedite test requests, R&D, planned/unplanned calibration cycles, and internal program processes.
- Lead all phases of calibration and sensor health operations from drafting SOPs, test request, deployment, testing, ingestion, metadata, annotations, and data review.
- Troubleshooted ongoing/discovered issues, escalated tickets when necessary, resulting in resolved issues being completed on average within a week instead of previously week(s).
- Successfully identified ongoing issues w/ humidity fault failures and implemented an optimal workaround solution, saving an average of 1-2 days per calibration cycle until formal solution.

COMPTECH S INTERN, OCCUPATIONAL TRAINING INSTITUTE - DEC 2017 - APR 2018
- Refurbished donated, used computers to redistribute to underprivileged students.
- Inspected, installed, and tested each computer hardware component before software.
- Conducted comprehensive tests on software applications prior to redistribution.

SKILLS
- Working knowledge of Jira, Quip, MacOS, Jenkins, HTML, CSS, JavaScript, Python, SQL.
- Currently developing further technical knowledge in Rithm School's Nov 2023 cohort.

EDUCATION
Rithm School Full Stack Software Engineer Bootcamp | Mar 2024
De Anza College | Cupertino, CA - AS, Computer Science | 2019
Loyola Marymount University | Los Angeles, CA - BA, Screenwriting | 2016

AWARDS
- Graduated Summa Cum Laude (DAC), Cum Laude (LMU)

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