



MICHAEL ANDERSON

Detector Development Engineer

Experienced Particle Physicist with over 9 years of experience in experimental particle physics and a focus on detector technology development. My career has been centered around designing, building, and testing advanced particle detectors used in experimental setups. I have collaborated with interdisciplinary teams to enhance detector performance and data collection methods.

WORK EXPERIENCE

Detector Development Engineer 2020-2023

SLAC National Accelerator Laboratory

- Designed and tested advanced particle detectors for high-energy physics experiments.
- Collaborated with physicists to optimize detector performance and data acquisition.
- Authored technical documentation for new detector designs and processes.
- Managed project timelines, ensuring milestones were met on schedule.
- Conducted training sessions for staff on new detection technologies.
- Published research findings in peer-reviewed journals, enhancing lab reputation.

Research Scientist 2019-2020

Argonne National Laboratory

- Investigated novel detection techniques for particle identification in experiments.
- Collaborated with international teams to enhance detector designs.
- Presented research at international conferences, receiving recognition for contributions.
- Implemented data analysis methods to improve experiment outcomes.
- Mentored interns and junior researchers in detector technology and research methods.
- Contributed to grant proposals that secured funding for new projects.

ACHIEVEMENTS

- Recipient of the 2021 Excellence in Research Award for groundbreaking work in detector technology.
- Co-authored a paper on advanced detection techniques that has been widely cited.
- Led a project that received \$750,000 in funding for research on new detectors.

CONTACT

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EDUCATION

Ph.D. in Experimental Physics

University of California

Davis

SKILLS

- Detector Design
- Experimental Physics
- Data Analysis
- Project Management
- Technical Writing
- Mentoring

LANGUAGES

- English
- Spanish
- French