MICHAEL
ANDERSON

Computational Optics Engineer

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Experienced Optical Physicist with a focus on computational optics and its applications in imaging technologies. With over 6 years of professional experience, I have developed innovative algorithms that enhance image reconstruction and processing in optical systems. My work integrates computational techniques with traditional optical methods, resulting in improved image quality and efficiency.

WORK EXPERIENCE

Computational Optics Engineer | Imaging Solutions Corp.   Jan 2022 – Present

- Developed algorithms for real-time image processing in optical systems.
- Improved image reconstruction techniques, enhancing clarity by 30%.
- Collaborated with software teams to integrate computational solutions into products.
- Conducted performance assessments to optimize system functionality.
- Authored technical documentation for algorithm implementation.
- Participated in cross-functional teams to drive product development.

Optical Systems Analyst | VisionTech Innovations   Jul 2019 – Dec 2021

- Conducted research on computational methods for optical imaging.
- Worked on projects involving machine learning applications in optics.
- Collaborated with engineers to prototype new imaging systems.
- Presented research findings to stakeholders, influencing product direction.
- Managed project timelines to ensure successful completion.
- Trained colleagues on the use of computational tools in optical design.

SKILLS

Computational optics   Image processing   Machine learning   Data analysis   Technical documentation

Team collaboration

EDUCATION

M.S. in Computational Physics   2014

University of Florida

ACHIEVEMENTS

- Improved imaging system performance, leading to a 25% increase in customer satisfaction.
- Published research on computational techniques in high-impact journals.
- Secured a grant for developing innovative imaging algorithms.

LANGUAGES

English   Spanish   French