MICHAEL
ANDERSON

Curriculum Developer in Nanophotonics

- San Francisco, CA
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Dedicated Nanophotonics Engineer with a focus on educational outreach and the development of photonics curricula for academic institutions. Expertise in translating complex scientific concepts into accessible learning modules, fostering engagement among students and educators alike. Proven ability to collaborate with educational institutions to design and implement innovative programs that promote interest in STEM fields.

WORK EXPERIENCE

Curriculum Developer in Nanophotonics | Photonics Education Initiative   Jan 2022 – Present

- Designed educational materials for photonics courses.
- Collaborated with teachers to enhance STEM curricula.
- Conducted workshops for educators on photonics principles.
- Evaluated program effectiveness through student assessments.
- Engaged with community organizations to promote STEM.
- Authored articles on educational best practices.

Nanophotonics Instructor | Tech Academy   Jul 2019 – Dec 2021

- Taught courses on nanophotonics and optical engineering.
- Developed hands-on laboratory experiments for students.
- Facilitated discussions on emerging photonic technologies.
- Mentored students in research projects.
- Evaluated student progress and provided feedback.
- Participated in educational outreach programs.

SKILLS

| Curriculum Development | STEM Education | Educational Outreach | Teaching Methodologies | Program Evaluation |

Mentorship

EDUCATION

M.S. in Education Technology   2015 – 2019
University of Southern California

ACHIEVEMENTS

- Developed a nationally recognized photonics curriculum.
- Received the 'Outstanding Educator Award' in 2022.
- Increased student enrollment in STEM programs by 50%.

LANGUAGES

English   Spanish   French