

Professional Summary

Results-driven EN10 Engineering leader with 15+ years of experience in promoting scientific research, fostering innovation, and driving strategic growth. Proven track record of successfully managing research initiatives, leading cross-functional teams, and collaborating with academia, industry, and government agencies.

Professional Experience

Director of Research & Development

Inazuma.co | January 2018 - Present

Senior Research Manager

NovaTech Inc. | June 2015 - December 2017

Key Achievements:

- Successfully managed a portfolio of 20+ research projects, resulting in 5 patent filings and 10 publications in top-tier journals.
- Developed and executed a strategic plan to increase research collaborations with academia, leading to a 30% increase in joint projects.

Responsibilities:

- Led a team of 10 researchers and engineers, providing guidance on project development and execution.
- Coordinated with cross-functional teams to ensure seamless project delivery.

Research Scientist

University of California, Berkeley - Research Institute | September 2010 - May 2015

Key Achievements:

- Published 15 research papers in reputable scientific journals, with a cumulative citation count of 500+.
- Developed and taught a graduate-level course on Advanced Materials Science, receiving a 95% student satisfaction rating.

Responsibilities:

- Conducted independent research in materials science, focusing on nanotechnology and energy applications.
- Collaborated with faculty members on grant proposals, securing \$1.5M in funding.

Research Engineer

MIT - Lincoln Laboratory | June 2008 - August 2010

Key Achievements:

- Contributed to the development of a novel sensor technology, resulting in a US patent filing.
- Presented research at the annual IEEE Sensors Conference, receiving the Best Paper Award.

Responsibilities:

- Designed and developed sensor prototypes for various applications, including aerospace and healthcare.
- Worked closely with the fabrication team to ensure successful prototype production.

Education

Ph.D. in Materials Science and Engineering

Stanford University | June 2008

Relevant Coursework:

- Advanced Materials Science
- Nanotechnology
- Energy Systems

Technical Skills

Programming Languages:

- Python
- MATLAB
- C++

Research Tools:

- Scanning Electron Microscopy (SEM)
- Transmission Electron Microscopy (TEM)
- X-ray Diffraction (XRD)

Project Management:

- Agile Methodologies
- Project Planning
- Team Leadership

Software:

- Microsoft Office Suite
- LaTeX
- Adobe Creative Cloud