

Professional Summary

Results-driven IT09 Techno-Administrator with 12+ years of experience in spearheading R&D; projects, technology development, and electronic waste recycling initiatives. Proven track record of driving innovation in electronics and photonics manufacturing industries, with a strong background in public policy.

Professional Experience

Senior Techno-Administrator (IT09)

Inazuma.co | January 2018 - Present

Techno-Administrator (IT07)

NovaTech Inc. | June 2015 - December 2017

Key Achievements:

- Successfully led a team to develop a novel electronic waste recycling process, reducing waste by 30%.
- Collaborated with cross-functional teams to implement a new photonics manufacturing line, increasing production efficiency by 25%.

Responsibilities:

- Managed R&D; projects in electronics and photonics
- Developed and implemented electronic waste recycling technologies

R&D; Engineer

EcoCycle Ltd. | March 2012 - May 2015

Key Achievements:

- Designed and developed a prototype for an electronic waste sorting machine, reducing manual sorting time by 50%.
- Conducted research on advanced materials for photonics applications, resulting in 2 patent filings.

Responsibilities:

- Conducted R&D; in electronic waste recycling and photonics
- Collaborated with external partners on joint research projects

Research Assistant

GreenTech Ventures | September 2009 - February 2012

Key Achievements:

- Assisted in the development of a novel recycling process for rare earth metals, published in a peer-reviewed journal.
- Contributed to the design of a photonics-based sensor for environmental monitoring.

Responsibilities:

- Assisted in R&D; projects on electronic waste recycling and photonics
- Conducted literature reviews and data analysis for research projects

Education

Ph.D. in Materials Science and Engineering

Stanford University

Technical Skills

Research and Development:

- R&D; Project Management
- Technology Development
- Innovation Strategy

Electronic Waste Recycling Technology:

- Waste Sorting and Processing
- Recycling Process Development
- Electronic Waste Management Policy

Public Policy:

- Policy Analysis
- Regulatory Compliance
- Stakeholder Engagement

General:

- Project Management
- Team Leadership
- Communication and Collaboration