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Kimberly Anakata, née Cornett

WORK EXPERIENCE

Yield Engineer, Admin/Finance and Project Management Anakata Consulting LLC

05/2018 - Present

- Finance Manager / Project Management
- Operations Analyst / Data Sanitization
- Social Media Manager / Developer, Administrator, Full Integration across Platforms
- Campaign Director / Technology Lead
- Scholarship & Mini-Grants Manager

Director of Finance & Administration LitLab

04/2019 - 04/2020

LitLab is a nonprofit with a mission to create connected and interactive learning environments by deploying books, digital content, and blended learning solutions for children, their caregivers, and educators, in the child's home language.

- Managed company wide Operations, Administration, Finance, Payroll, and Benefits during CEO transition
- Communicate with vendors to specify deliverables and maintain timely delivery

Head of Operations & Manufacturing Water Canary

12/2014 - 02/2018

The Water Canary is a fast, networked water-testing device that radically reduces the amount of time, expense, and skill required to test water for pathogens and contaminants. It is the foundation of a web-based service that collects real-time water quality data through an online interface that maps geo-located readings, performs analytics, and facilitates in the sharing of that information between individuals and organizations.

- Research, vet, and promote sensor technology for, and the development of, our systems
- Oversee Operations concerns directly corresponding to manufacturing

Optical MEMS and Yield Engineer / Operational Analyst Glimmerglass Networks

07/2011 - 02/2015

Glimmerglass Networks creates, monitors, reconfigures, and protects optical paths in networks. Glimmerglass Networks offers optical switches to create, monitor, and protect wavelengths in networks. These networks support land-based and undersea telecommunications systems, enterprise data networks, and Internet peering exchanges.

- Directly work with domestic and international vendors
- Oversee and maintain production statistics for onsite manufacturing of optical MEMS switches
- Perform clean room inspections, data analysis, and statistical recording
- Developed and implemented ISO 9001:2008 Quality Management System at company in conjunction with development of a SharePoint Wiki for procedure approval and tracking
- Developed a reporting system in Visual Basic to summarize tracked issues used to generate report statistics with regards to ISO 9001:2008 preventive and corrective actions

Graduate Student Research Assistant University of California, Davis - Dept. of Electrical & Computer Engineering

09/1996 - 12/2000

Graduate research performed in the field of Optical Microelectromechanical Systems (Optical MEMS), "Miniature Variable Optical Delay Lines Using Silicon Micromachined Resonant-Scanning Mirrors for applications including Optical Coherence Tomography and Fourier Transform Infrared Spectroscopy"

Activities and societies: Graduate Assistance in Areas of National Need (GAANN) Fellowship (2001–2002)
 Towards Outstanding Program Studies (TOPS) Fellowship (1999–2000)

- Published researcher in the development of Optical Microelectromechanical Systems (MEMS)
- Grant writing, submissions, and awards

PATENTS & PUBLICATIONS

- U.S. Patent #6643053, Piecewise linear spatial phase modulator using dual-mode micromirror arrays for temporal and diffractive fourier optics [[issued November 2003](#)]
- "Effects of Mirror Surface Deformation in Optical Delay Lines Based on Resonant-Scanning Micromirrors" [[PDF](#)]
 Presented at 2001 IEEE/LEOS Annual Meeting
- "Compact Optical Delay Line Based on Scanning Surface Micromachined Polysilicon Mirrors" [[PDF](#)]
 Presented at 2000 IEEE/LEOS International Conference on Optical MEMS (Optical MEMS 2000)
- "Miniature Variable Optical Delay Using Silicon Micromachined Scanning Mirrors" [[PDF](#)]
 Presented at Conference on Lasers and Electro-Optics (CLEO 2000)
- "Micromachined Mirrors in a Raster Scanning Display System" [[PDF](#)]
 Presented at IEEE/LEOS Summer Topical Meeting on Optical MEMS (1998 IEEE/LEOS Summer Topical Meeting)

SKILLS

Certified ISO9001:2008
 Lead auditor
 Quality Control
 QMS Management
 Analytical & Critical Thinking
 Vendor Management
 Excellent Communicator
 Organizational skills
 Self-Starter
 Attention to details
 Cleanroom Management
 SharePoint Wiki Admin
 Computer Skills

LANGUAGES

English
Native or Bilingual Proficiency

Spanish / French / German
Limited Working Proficiency

CAREER HISTORY



EDUCATION

Bachelor of Science, Engineering
 Harvey Mudd College
Graduated with Honors in Engineering
 09/1991 - 05/1995

Dual Major in Government
 Claremont McKenna College
 05/1995 - 09/1991

MSEE, Electrical Engineering
Major: Quantum Optics
Minor: Mechanical Engineering
 University of California, Davis
 09/1996 - 12/2000