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PROFESSIONAL EXPERIENCE

Carvill Consulting, South San Francisco, CA 2003 - Present

Owner

- Independent facilities and safety consulting services
- www.carvillconsulting.com
- Biotech clients include:
 - Fluidigm Corporation (www.fluidigm.com)
 - Velocity 11 (www.velocity11.com)
 - XDx Incorporated (www.xdx.com)
 - Nanosys Incorporated (www.nanosysinc.com)
 - Parallele Bioscience (www.affymetrix.com)
 - Cierra Incorporated (www.cierrainc.com)
 - AngioScore Incorporated (www.angioscore.com)
 - Solus Biosystems (www.solusbiosystems.com)

Fluidigm Corporation, South San Francisco, CA 2001 - 2003

Facilities and EH&S Manager

- Directed facilities management for start-up biotech company, including construction project management, real estate management, and facilities maintenance
- Developed strategic, long term facilities master space plans
- Created and maintained \$4M annual budget
- Planned, developed, implemented, and maintained all aspects of safety program

Agilent Technologies, Bio Research Solutions Unit, Palo Alto, CA 2000 - 2001

Facilities Project Manager

- Managed multiple, fast-track facility construction projects, including office, molecular biology labs, chemistry labs, and class 10,000 clean rooms
- Coordinated all department facility issues, including tool installations, equipment purchases, move coordinating, and space planning
- Led department for safety initiatives such as safety committee, ergonomics, and emergency response team

Hewlett Packard Company, Wireless Semiconductor Division, San Jose, CA 1997 - 2000

Industrial Engineer / Engineering Process Supervisor

- Created and maintained models to improve and optimize the manufacturing processes, including capacity, cycle time, yield, equipment utilization and uptime, inventory, etc.
- Planned equipment layout and facilities requirements for cleanroom expansion
- Supervised 25 process operators in semiconductor manufacturing facility
- Served as department ergonomic consultant by evaluating equipment safety, conducting training classes, and performing behavioral safety observations in the office and manufacturing areas

Ithaca Department of Public Works, City Engineer's Office, Ithaca, NY 1995 - 1997

Assistant Traffic Engineer

- Studied and alleviated traffic throughput and safety issues
- Used AutoCAD to redesign intersections at high accident locations

CONSTRUCTION PROJECTS

Fluidigm Corporation (South San Francisco)

- Data Room Expansion Build-out, 350 sf., \$100K budget
- Class 10,000 Cleanroom Expansion Build-out, 1200 sf., \$175K budget
- Class 10,000 Cleanroom, Chemistry/Microbiology Lab, and Office Build-out, 19,500 sf., \$3M budget

Agilent Technologies (Palo Alto, CA / Santa Clara, CA)

- Class 10,000 Cleanroom Build-out, 6000 sf., \$1.2M budget
- Chemistry/Microbiology Lab Build-out, 3000 sf., \$1M budget
- Class 10,000 Cleanroom and Lab Build-out, 12,000 sf., \$10M budget
- Class 10,000 Cleanroom Build-out, 6000 sf., \$10M budget

EDUCATION

Cornell University, Ithaca, NY 1992 - 1997

Operations Research and Industrial Engineering

Bachelor of Science
Master of Engineering