

# Bill Shelander

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## Profile

Engineer, corporate executive, venture investor, entrepreneur, and research collaborator with focus on transitioning new technologies into viable businesses

**Stanford University** Instructor CEE 175S/275S 2015 – present  
Developing and teaching *Environmental Entrepreneurship and Innovation* program introducing methods and insights to conceive and implement economically viable enterprises enabling local and global environmentally sustainable systems.

**Anven AlzDx** Co-Founder 2015 – present  
Funding and business development of breakthrough *in vitro* blood test of Alzheimer's disease for screening, early diagnosis, and measuring drug efficacy based on recently discovered non-natural biomimetic molecular chemistry.

**Lawrence Berkeley National Lab** Commercialization Expert 2010 – 2015  
Entrepreneurial collaboration with researchers to commercialize discoveries (assess applications, markets, stakeholders, competition, business models).

- Directed internal prototype fund leading to nine licensees.
- Helped 30+ start ups obtain funding (grants, SBIR's, foundations, VCs)

Worked with campus, community, and industry to promote viable technologies.

- Haas Business School CleanTech to Market (advisor, mentor, introduced technology teams, facilitated student interactions)
- Other student and entrepreneurs: BPEP, Lester Center, and QB3 East Bay
- Building relationships with potential entrepreneurs, partners, and investors

Hosting corporate and government visits (US and international)

White House Office of Science & Technology Policy expert (published 2013)

**Mango Materials** Co-Founder 2009 – present  
Developing a microbial fermentation process consuming waste biogas (from landfills and wastewater treatment facilities) to produce biodegradable polymers.

**Pac-Link Ventures** Managing Director 2004 – 2007  
A \$380 million Taiwan venture capital firm investing into China and North America

- Board member of CrossFiber (MEMS micro-mirror array optical switch)
- Board member of Wavesat; a WiMax chipset company in Montreal
- **Fundraising >\$100,000,000** in China, Singapore, Japan, UK, Kuwait, UAE

**Micronics Computers Inc.** Board of Directors 1991 - 1998  
(NASDAQ: MCRN) Chairman 1997-1998

First round investor into team that became the largest independent PC motherboard designers for Intel chip sets

- **grew annual revenue to over \$250M**

**JAFCO America Ventures Inc.** Co-President and GM 1986 - 1996

US venture investing (focus on Asia / US value added relationships)

- invested \$82 million into 40 venture deals
- 32 companies either went public or were acquired;
- **returned over \$600 million; net IRR > 65%**
- built U.S. entity from one-man operation to a team of 10 investment mgrs.

Japan "venture" investing

- Fiduciary GP for \$36 million fund investing in Japanese pre-IPO companies
- net IRR of 24% from 1985 - 1996 returning over \$106 million
- raised additional fund of \$68 million from US institutional investors

**Liquid Air Corporation** National Product Manager; 1981 - 1984  
liquid oxygen, nitrogen, and argon

- responsible for **profitability of >\$100,000,000 business unit**
- managed \$65 million of capital expansion of production facilities
- managed start-up of 8 new production facilities in North America
- created innovative production design for cost competitive advantages
- promoted new applications to create new market segments

**Chemicals & Plastics Div. (Dow Chemical)** Systems Engineer 1975 - 1978

- reliability analysis of chemical process systems
- long range production plant design and planning (1 - 25 years)
- created economic models and simulation initiatives

## Education

**Stanford University Graduate School of Business;**

MBA, 1981

- Business Manager of Stanford Daily

**West Virginia College of Graduate Studies (now Marshall University)**

MS Engineering (Chemical Engineering), 1980

**Georgia Institute of Technology;**

BS Systems Engineering (minor Physics), 1975

- Co-Captain Varsity Swim Team

## Personal Activities

Skiing, soccer, Alcatraz swim, San Mateo Astronomy Club, whitewater kayaking, wilderness backpacking