

## Michael Kelley Harris - Resume

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### Goal

Design & support ecologically sustainable products, processes, & systems. Special interest in partnering with entrepreneurs utilizing the principles from Biomimicry, the Circular Economy, Permaculture, Design Thinking, ++

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### Skills

- Servant leadership w/ coaching, collaboration, autonomy, purpose.
  - Innovation Training & Consulting – 14+ years. Agile, Scrum, Design Thinking, Lean Startup, Systems Thinking.
  - Software development - 20+ years. Scientific instrumentation, data acquisition & control, diverse web. Agile engineering practices (XP)
  - Project management - 10+ years.
  - Design of: software, teams, organizations, products, processes, info, training, iterative learning/feedback cycles
  - Patent and contract development, administration. - 4+ years.
  - Financial analysis and modeling. - 5+ years.
  - Technical Writing - 2+ years.
  - Research, information gathering, due diligence. - 20+ years
  - Growing food - 30+ years of home gardens (permaculture)
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### Education

- BS Physics - University of California at Santa Barbara
  - BA Mathematics/Economics – Univ. of California at Santa Barbara
  - Essentials of Biomimicry, Arizona State Univ., graduate course 2019
  - Intro to Biomimicry: Foundational Course, Biomimicry 3.8 2019
  - Biomimicry Basics, Biomimicry for Creative Innovation (BCI) 2019
  - Biomimicry: Biology Inspires Innovation, BCI 2019
  - Design Thinking, Lean Startup Courses, plus mentoring
  - Permaculture Design Certification Course, plus workshops.
  - Many continuing education courses and conferences.
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### Experience

- 2004-present SourceCell, Innovation Trainer & Consultant, Founder. Agile, Design Thinking, Lean Startup. Certified Scrum Trainer (CST)
- 1997-2008 Veeco Instruments (aka Digital Instruments) – (Atomic-force microscopes, Nanotechnology) Roles including Sr. Software Engineer, Director of Software Engineering. Three patents. World's first commercial nanomanipulation system. World's first atomic-force

- profilometer. Software architecture, design patterns, team process issues, science, measurement, etc.
- 1993-1997 Digital Instruments, Special Assistant to President. Focused on patent, IP, & contract issues. Compiled evidence for patent suit.
  - 1988-1992 Venture Analysis, Founder, Private investment analysis. Got Mike Corbett (Village Homes project) and David Wright (solar architect) involved in a real estate development project.
  - Other work: air-pollution control (gov), PermEzone advisory council member since 2013 (permaculture), Business mentor (Lean Startup), Peace Corp (2 months in Fiji) computer programming, technical writing, carpentry, cabinet making, art hanging/moving, construction, mining, landscaping, scuba-diving services
  - Other projects: cohousing, community gardens & orchards, hydroponics, portable geodesic dome (designed and built), various passive solar hot-water systems, solar ovens, song writing, art, product design, planting rare Hawaiian fruit, ++

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### Other Big Influences

- Dee Williams, tiny-house thought leader & minimalist. (My wife)
- I started experimenting in food production and appropriate technology in the late 1970s, greatly effected by the work of Buckminster Fuller, Bill Mollison (Permaculture 1 & 2), Masanobu Fukuoka, J. Russell Smith (Tree Crops), James Sholto Douglas (Forest Farming), John Jeavons, Victor Papanek (Design for the Real World), David Wright (Passive Solar architecture), Michael Corbett (Village Homes), Paul Hawken (Project Drawdown), & many more.
- High School in Aspen Colorado. An early glimpse of a broader world of entrepreneurial & ecological thinking.

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### More Information

- LinkedIn Profile: <https://www.linkedin.com/in/mkelleyharris/>
- Agile Training & Consulting profile, plus testimonials: <https://www.sourcecell.com/mkelleyharrisProfile.html>
- Personal web page: <http://www.kelleyharris.com>
- Resume with many pages of detail: <http://www.kelleyharris.com/resume/softwareResume.html>

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### References

- Client & Student Testimonials: <https://www.sourcecell.com/AttendeeFeedback.html>
- Software References: <http://www.kelleyharris.com/resume/softwareResume.html-references>
- Older Client References: <http://www.silcom.com/~mkh/sourcecell/clientProjectsAndComments.html>