John Hovell

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SUMMARY

Electrical engineer and developer looking to transition back to technical product management role.

TECHNICAL EXPERIENCE

Spansion, Inc., Product Marketing Engineer II, Sunnyvale, CA, 2004 - 2006
Product manager for line of Flash memory products from inception to launch. Owned the product research, justification, development, testing, sampling, production and retirement processes; worked with leaders of respective groups to deliver products to market on schedule.

Structural Wealth Management LLC, Senior Software Developer, San Francisco, CA, 2008 – July 2009
Architected database schemata, wrote code, and managed a team of developers in a growing startup environment.

Tesla Motors, Inc., Electrical Engineer/Consultant, San Carlos, CA, 2007 – 2008
Implemented fully-automated regression testers for the critical safety electronics of world's largest (1000+ lbs) lithium-ion (Li-Ion) battery pack. Used results to improve safety and reliability. With one other engineer, ported 25,000 lines of system-critical PIC assembly to C, completed testing and documentation in under two months.

SRI International, Student Associate, Menlo Park, CA, 2002 - 2003
Designed FPGA-based hardware to construct a real-time 3-D model from two camera images for autonomous robots.

Paul Allen Center for Integrated Systems, Research Assistant, Stanford, CA, 2001
Wrote software to control a DARPA-funded experimental electron beam semiconductor lithography device.

Stanford University, Coursework, Stanford University, CA, 1999 - 2004
Graduate-level coursework in alternative energy processes, green design, accounting, corporate finance, investment science, IPO valuation, manufacturing, product design and product sketching.

EDUCATION

Stanford University, Stanford, CA
    Master of Science in Electrical Engineering, 2004
        Certificate in Alliance for Innovative Manufacturing
    Bachelor of Science in Electrical Engineering, 2003
        Minor in Management Science and Engineering
        Specialty in computer hardware

LEADERSHIP AND TEACHING EXPERIENCE

Stanford University, **Resident Computer Coordinator,** Stanford CA, 2001-2004
Supported 200+ residents' in-room network connections, personal computers, and Stanford network infrastructure.

Self Employed, Consultant, Darien, CT, 1997 - 2001
Network consultant with accounts including The Hartford (Hartford Life), Christian & Timbers, and Prudential Real Estate. Sole proprietor of firm grossing over $50,000 while in high school.

TECHNICAL SKILLS

- Electronics Skills: Mixed signal circuit design, component selection, bring-up, debugging, rework, microscope soldering, high voltage, high current, power electronics, SPI, I2C, CAN bus (ISO 11898), Freescale HCS12/08, Microchip PIC 18F microcontrollers, Altium Designer.
- Programming languages: **C**, **C++**, **Java**, **PHP**, **MySQL**, **C#, Visual Basic**, **Verilog**, **HTML**, **SVN, CVS, MIPS assembly**, **Blackfin DSP assembly**, **PIC assembly**, **C18 compilers.** Expertise in **Linux, Windows** and **MacOS**.

INTERNATIONAL

- Spent May 2006 – April 2007 travelling in Russia, Greece, former Yugoslavia, Eastern Europe, Germany, England, Morocco, Dubai, Borneo, Indonesia, Malaysia, Singapore, Cambodia, Thailand, Hong Kong, and Sri Lanka.
- Spent September 2009 – December 2009 traveling in Korea, Colombia, Uruguay, Argentina, and Chile.