

Nikolaus Baer



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EDUCATION:

B.S. Computer Engineering (High Honors), UC Santa Barbara 2004
Technology Entrepreneurship Certificate

EXPERIENCE:

Consultant/Research Engineer **Zeidman Consulting**

AUG 2006 – Present ***Cupertino, CA***

- Ran CodeSuite® and analyzed results for a software trade secret litigation
- Wrote an expert report for a software trade secret litigation
- Performed research on a patent
- Wrote claim charts for patent infringement analysis

Firmware Developer **Theranos, Inc.**

AUG 2006 – FEB 2008 ***Menlo Park, CA***

- Performing product development, including prototype design, implementation, and testing in pre-clinical settings on a multiprocessor system with Java J2ME in the communication environment and real-time C in the device control environment

Member of Technical Staff **Zeidman Technologies**

MAR 2006 – AUG 2006 ***San Jose, CA***

- Developed multifaceted GUI in VB for Ethernet networking emulation software
- Upgraded complex multi-threaded DLL in VC
- Designed and built large data post processing methodology
- Researched and developed data passing algorithms between multi-threaded VC and VB
- Documented source code, and updated help files in RoboHelp

Software Developer **Nascent Systems Technology**

JAN 2005 – MAR 2006 ***Monterey, CA***

- Port large software application onto small mobile devices using MS Visual C++, eVC++ and Windows API with RS232, Bluetooth, WLAN and USB communication
- Recruit, hire and manage software consultants to reduce development time and increase profit
- Built and maintain marketing website using HTML and JavaScript with Flash Demo
- Write, edit and publish complex applications' demonstrations and tutorials using Microsoft Office
- Developed search solution in Java for making extensive documentation user-friendly which reduced a month long documentation job to a few hours

Project Engineer/Programmer

Vareda Engineering

APR 2003 – JAN 2005

Santa Barbara, CA

(part-time while in college, full-time after graduation)

Designed and built specialized testing and research equipment taking advantage of Orcad, PADS, LabView, C-Compilers and Assembly Coding for embedded circuits, Flash, Eagle, C, C++ and Java

- Built embedded circuits and matching custom drivers for PC control and setup
- My ability to quickly learn and utilize new skills was indispensable as part of a small consulting team
- Presented to customers and negotiated to tailor end products to customer needs
- Tested, debugged and troubleshoot systems
- Supervised aspects of products embedded programming
- Wrote and edited portions of business proposals

Product Development Manager

Organic Photometrics

Summer 2002 (while attending college)

Santa Barbara, CA

- Led the development of new commercial testing equipment addressing the unique needs of organic LED developers
- Put together drivers for light spectrum/strength meters and power supply
- Integrated complex hardware sensors into a user-friendly aesthetically minded interface program by quickly learning and then utilizing the LabView environment

LEGAL CONSULTING/EXPERT WITNESS:

Wilson Sonsini representing Adept in AdTech RFID v. Adept Identification Technologies

AUG 2006 – AUG 2007

- Case was settled
- Trade secret theft case involving RFID software
- Ran CodeSuite®, analyzed results, assisted with writing expert report

PUBLICATIONS

- Zeidman, B. and Baer, N., "What, Exactly, Is Software Trade Secret Theft?" Intellectual Property Today, March 2008.
- Baer, W. and Baer, N., "Battlefield Visualization and Database Creation System Using One Meter Terrain" Proceedings of the ITEA Modeling and Simulation Workshop, December 2005.

AWARDS & MEMBERSHIP

- First Place (\$10,000) Start Cup 2004 (Business Plan Competition)
- Assistant Secretary of Alumni Association: Northern California Scholarship Foundation
- UCSB's Regents Scholarship, Chancellors Award, Honors, Dean's Honors
- Toastmasters International
- Tau Beta Pi: Engineering Honor Society.

TECHNICAL SKILLS:

- Adobe Photoshop
- Assembly Language
- Bluetooth
- C
- C++
- Circuit Manufacturing
- CodeSuite
- Embedded Circuit Design

- Embedded Programming
- Ethernet
- Flash
- Graphical User Interface (GUI)
- HTML
- Java
- Java Networking
- JavaScript
- LabView
- Microsoft Office
- Orcad
- PADS
- Peripheral Drivers
- Product Testing
- Python
- RoboHelp
- Sockets
- SQL Database
- TortoiseSVN
- Visual Basic (VB)
- Visual C++
- Windows
- WLAN

PROFESSIONAL SKILLS:

- Budgeting
- Business Proposals
- Customer Support
- Employee Management
- Project Management
- Technical Writing