

EVAN MORIKAWA

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EDUCATION AND SKILLS

Entrepreneurial Sabbatical: Leave of Absence Waltham, MA 2008 – 2009

- Year-long leave to start a business, manage Olin's business incubator, develop skill sets, build mechatronic contraptions

Franklin W. Olin College of Engineering Needham, MA 2006 - 2011

- 3.65 Cumulative GPA
- B.S. in Electrical and Computer Engineering. Coursework in Robotics, Artificial Intelligence, Mechatronics, Computational Theory, Entrepreneurship, and Design. Research on alternative text input for peripheral devices

Highly Proficient With: Java, Python, C, PHP, HTML/CSS, AJAX, Flash, Photoshop, Premiere, InDesign, Dreamweaver

Proficient With: Matlab, Solidworks, Unix, Illustrator

WORK EXPERIENCE

Kiva Systems: Robotic Material Handling Solutions Woburn, MA 2008

- Developed Kivo: A Java/Swing GUI application for recording and diagnosing Kiva-enabled distribution centers
- The completed application is merged with Kiva's main source tree and actively being used by Kiva employees and clients

Initiative in Innovative Computing at Harvard Cambridge, MA 2007

- Designed and created a Python/XML powered graphically interactive workflow application for analyzing and manipulating time series data from indiscriminant astronomical surveys
- Presented workflow application at the Astronomical Data Analysis Software and Systems conference in London, England

Vision Robotics Corporation San Diego, CA 2006 - 2007

- Developed and diagnosed C-based kinematics software for a six-axis reticulating arm of an autonomous, vision-guided agricultural harvester of oranges, apples, and grapes
- Designed and developed www.visionrobotics.com on a customized flexible and scalable PHP/SQL powered backend

Visualization Center at Scripps Institution of Oceanography San Diego, CA 2004 - 2005

- Utilized experimental supercomputers to generate 3-D visualizations and animations of large scientific GIS (Geographic Information Systems) data sets for international clients
- Used Adobe Premiere, Flash, and custom unix scripts to create a time lapse video and animation of Southern California wildfire spread. Awarded finalist in the NSF Visualization contest and is currently used by regional fire departments

NOTABLE PROJECTS

Tetracopter: An Autonomous Four-Rotor Hovering Platform 2007

- With of team of four; developed, designed, and tested an electric-powered flying platform over the course of a semester
- Implemented proportional, integral, and differential control in C and embedded it on a PIC microcontroller
- Designed and developed www.tetracopter.com on validated HTML/CSS with Adobe Flash features

Bluetooth Enabled Chording Glove as a Novel Text Entry Medium 2006 - 2007

- Invented and constructed a novel method for text entry to Bluetooth enabled PDAs and cell phones
- Placed 2nd in the Intel International Science and Engineering Fair, 1st place California State Science Fair
- Featured on the Oprah Winfrey Show alongside Bill Gates as an example of project based learning

ACHIEVEMENTS AND AWARDS

- Received **Eagle Scout Rank with Gold Palm**. Led the design and construction of a multisensory tactile and audio directory of the Braille Institute of San Diego for visually impaired students 2004
- Awarded Sea World's **Environmental Excellence Award \$10,000** grand prize for a published, commercially available 247 page field guide of San Diego Bay. Primary editor, designer, and co-author 2006
- Developed and patented a functional fully automatic toy foam-dart gun: **US Patent No.: 10/845,050** 2003