

Ryan Luecke

(858) 349-2995 • rluecke@flightpad.net

Education

UC Berkeley – Senior majoring in Electrical Engineering and Computer Science	2006-Present
Relevant courses:	
Fall 2009: Foundations of Computer Graphics, User Interface Design, Entrepreneurship in Technology	
Spring 2009: Advanced Artificial Intelligence, Algorithms, Digital Circuit Design	
Fall 2008: Artificial Intelligence, Operating Systems, Earth & Planetary Simulation, Technical Writing	
Spring 2008: Advanced Signals & Systems, Discrete Mathematics, Circuit Design	
Fall 2007: Signals & Systems, Machine Structures, Electricity & Magnetism, History Of Information	
Spring 2007: Linear Algebra & Diff. Eq's, Structure & Interpretation of Computer Programs, Mechanics	

Experience

Adobe Systems Inc. Internship	2009
<ul style="list-style-type: none">• Software Developer for Flash Professional CS5; developed a new high-visibility feature from concept to finished product. Designed and refined the user interface while working closely with a quality engineer. Feature will ship in CS5 release.• Silver Medalist at Intern Project Expo.	
Apple Inc. Internship	2008
<ul style="list-style-type: none">• Created a media crawler that indexed video, audio, and image files on the network for rapid media searching in three styles. Searches can include metadata constraints such as "Codec: H.264, Resolution: 1280x768, Duration: 30 - 60 minutes."• Finalist in the internal Apple iContest.	
Adobe Systems Inc. Internship	2007
<ul style="list-style-type: none">• Automated GPU testing in Acrobat 9. Wrote a test automation suite that pans, zooms, and scrolls through a PDF looking at the differences between the CPU and GPU renderings. Results were displayed using a web interface that sorted comparisons by error status and severity. Active UC Berkeley Flex Ambassador.	
SonTek Internship through the Marine Technology Society	2005
<ul style="list-style-type: none">• Built two Bluetooth prototypes for RiverCat Acoustic Doppler Profilers and FlowTracker Acoustic Doppler Velocimeters; wrote a 270-line auto-configuration script in SonUtils for Bluetooth module configuration.• The RiverCat ADP Bluetooth prototype has moved to production and is now available for purchase.	

Projects

WeTalk mobile application for UI Design course	2009
<ul style="list-style-type: none">• This app allows users to communicate in a walkie-talkie fashion over the Internet using their mobile phones. Inspired by IRC, it enables tens or hundreds of users to talk in "channels" based on location or interests.• Showcased the application at Apple in Cupertino.	
Yahoo Hack Day at UC Berkeley	2007-Present
<ul style="list-style-type: none">• 1st place winning team in 2009. Our submission: Quotulator - a new way to search and launch personal media.• 3rd place team in 2008. Our submission: Map Tanks, using Flash and Yahoo Maps API.• 1st place winning team in 2007. Competed in National University Hack Day at Yahoo, Sunnyvale. Our submission: the Psychic Skype Hotline (see more at http://inv.entio.us)	
Vidaday.com	2007-2008
<ul style="list-style-type: none">• Designed and built this daily video entertainment blog in Wordpress/PHP. Monetized the site using Google AdSense. Allowed users to vote on videos using a five-star scale.	
Walk on Water Engineering Competition	2004-2006
<ul style="list-style-type: none">• 1st place winning team at Southwestern College Walk on Water competition in 2006, and at USD in 2005.	

Activities

Business & Technology Association (BTA, formerly CSBA) – IT Committee	2006-Present
<ul style="list-style-type: none">• Currently Director of IT Committee, leading work on http://rent.berkeley.edu, a Berkeley crime heat-map, and more.	
Adobe Ambassador at UC Berkeley	2007-Present
<ul style="list-style-type: none">• Promoting Adobe Flex through info-sessions; promoting Adobe Design Achievement Awards competition.	

Achievements, Awards & Certificates

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- Eagle Scout Rank with Bronze Palm.
 - All-time record holder for USD and Southwestern College Walk on Water engineering competition at 15.5 seconds
 - Twice 1st place winner of the California Coastal Commission Art & Poetry Contest in grades 10-12 of over 2000 total entries in both 2005 and 2006.

Skills & Qualifications

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- **Languages:** Java, C, C++, Objective-C, Python, Perl, PHP, SQL, HTML, CSS, Javascript, XML, shell scripting, reg-exs.
 - **Applications:** Microsoft Office 2007 Suite, MS VS2008, XCode, and Eclipse IDEs, MATLAB, LabVIEW, Adobe Photoshop, Illustrator, Premiere, Dreamweaver, Flash, L^AT_EX, Internet Explorer, Mozilla Firefox, Skype, SSH, VNC.
 - **Platforms:** Unix and Linux systems, Windows, OS X, iPhone
 - Building and upgrading computers, troubleshooting and solving computer software/hardware/network problems.