

## Matthew Francis-Landau

### Permanent Address

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### Internet Addresses

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<b>Objective</b>	To have impact on a growing company who is dedicated to helping users in new ways through massive data analysis.	
<b>Education</b>	First year undergraduate at UC Berkeley, intended Computer Science and Mathematics major. High school at California Academy of Math and Science, unweighted GPA: 3.77.	
<b>Experience</b>	<b>Technical Intern</b> , Motion Picture Marine, Venice CA	Summer 2011
	<ul style="list-style-type: none"><li>• Developed vibration detection and elimination method using fourier transformation and automatic PID gain adjustment.</li><li>• Debugged hardware and software issue relating to mass production of Perfect Horizon units.</li><li>• Co-authored grant to develop high school robotics program under Office of Naval Research (ONR).</li><li>• Designed technologies for remote internet connection and upgrades to in field units.</li></ul>	
<b>Leadership Experience</b>	<b>Project Manager</b> , Red Inc	2011-2012
	<ul style="list-style-type: none"><li>• Lead team of 15 high schoolers to develop spherical flying robot.</li><li>• Manufactured custom propellers to meet size requirements of 10 inches.</li><li>• Produced three different technical documents: Project proposal, Proof of concept, Manual/product documentation.</li></ul>	
	<b>Programming Leader</b> , Nerd Herd Robotics team	2010-2012
	<ul style="list-style-type: none"><li>• Trained members from 120 person team in basic robotic programming</li><li>• Converted team from 3 different GUI programming environments to C/C++ based systems.</li></ul>	
<b>Projects</b>	<b>JSApp.us</b>	November 2010 to Today
	<ul style="list-style-type: none"><li>• First open registration Node.js hosting platform.</li><li>• Features online code editor and living online testing.</li><li>• Enables individuals to try the Node.js platform out quickly without install anything</li></ul>	
	<b>i-Lang</b>	Summer 2012 to Today
	<ul style="list-style-type: none"><li>• New programming language based around a function programming paradigm.</li><li>• Functions, classes, objects are viewed as "anonymous," variables only provided a means for accessing what was previously defined.</li><li>• Language was designed to study paradigm of self modifying code at a level higher than assembly.</li><li>• Features an integrated database for ease of use when working with data.</li><li>• Future plans for developing network distribution system to enable working with large data sets in parallel.</li></ul>	
<b>Computer Skills</b>	Highly Proficient at: C++, JavaScript <u>Technologies:</u> Linux, Node.js, MonogoDB, Tokyo Tyrant, Arduino, Mbed, Mathematica,	