

Matthew Francis-Landau

Permanent Address

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