ALEXANDER S. KERN

Cell: (310) 975-5545 • alex@kernul.com • http://kernul.com • Box #203, 2601 Warring Street, Berkeley, CA 94720

EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY   Berkeley, California
Computer Science Major (4.0 GPA)   August 2012 to May 2016

WORK EXPERIENCE

APPLE INC., INFORMATION SYSTEMS & TECHNOLOGY   Cupertino, California
Software Engineering Intern   Starting May 2013

NASA JET PROPULSION LABORATORY, OPS LAB   Pasadena, California
Software Engineering Intern   June 2011 to August 2011
- Developed highly-available backup software to enable durable cloud storage for Jet Propulsion Laboratory's (JPL) satellites and Spirit and Opportunity Mars rovers
- Gave separate presentations at JPL and at EO Alchemy (http://eoalchemy.com), one of Los Angeles's largest entrepreneurial conferences, about cloud data storage strategies
- Coauthored an IEEE paper on cost-effective cloud storage solutions

NASA JET PROPULSION LABORATORY, MOTOR TESTING DIVISION Pasadena, California
Software Engineering Intern   June 2010 to August 2010
- Helped test the motor controller of the Curiosity Mars Rover by automating unit testing workflows
- Presented to JPL computer scientists on domain-specific languages and their applications in testing

ARTCENTRIC NETWORKS LLC   Santa Monica, California
Chief Technology Officer   April 2010 to July 2012
- Lead developer of mobile application Check2 designed to provide frequent restaurant-goers with deals
- Developed back-end Ruby on Rails application along with front-end iPhone, Android, and web apps
- Managed local and international development team of 7 people over the course of 2 years

FREELANCE WEB DEVELOPMENT   Beverly Hills, California
Freelancer   August 2008 to June 2011
- Designed and developed over 20 websites for clients including photographers and interior designers
- Responsible for the entire design from wireframe to completion, including interactive animations

PLANETBRAVO SUMMER CAMP   Beverly Hills, California
Assistant Camp Director   June 2008 to August 2009
- Developed and taught Robotics curriculum to elementary school-age campers, teaching 20 students a week how to build and program their own personal robot
- Aided Game Design and Web Design instructors as a teaching assistant

SKILLS

9 years of experience using client-side web technologies (HTML/CSS/JavaScript)
7 years of software development in Ruby, Java, Node.js, PHP, Python, Clojure, C, C++, and Objective-C
Proficient in database management of MySQL, PostgreSQL, Redis, MongoDB, CouchDB, and Riak

ACTIVITIES & INTERESTS

Activities: Technical Chairman for Alpha Epsilon Pi, Mentor for the Beverly Hills High School Robotics Team
Interests: International travel, music production, cycling, typography, and modern art