ALEXANDER S. KERN

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY   Berkeley, California
Computer Science Major, 3.75 GPA   August 2012 to May 2016

WORK EXPERIENCE

CAL HACKS   Berkeley, California
Director   March 2014 to Present
- Organized and fundraised the first major collegiate hackathon in the Bay Area
- Over 1,500 hackers participated making Cal Hacks the largest hackathon ever held

ALSOP-LOUIE PARTNERS   Berkeley, California
Associate   August 2013 to August 2014
- Sought out new investment opportunities for the firm by connecting entrepreneurs to each other and the greater entrepreneurial ecosystem

APPLE INC.   Cupertino, California
Information Systems & Technology Software Engineering Intern   May 2013 to August 2013
- Worked on machine learning algorithms for automated fraud detection by developing end-to-end software for structured web data retrieval, aggregation, and analysis
- Developed highly distributed algorithms for determining the cardinality of extremely large sets

NASA JET PROPULSION LABORATORY   Pasadena, California
OPS Lab 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 Mars rovers
- Coauthored an IEEE paper and gave presentations about cloud data storage strategies at JPL and EO Alchemy (eoalchemy.com), one of Los Angeles's largest entrepreneurial conferences

Motor Testing 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

SKILLS

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

ACTIVITIES & INTERESTS

Activities: President of Startup@Berkeley & Kairos Society Nor Cal, Mentor for the BHHS Robotics Team
Interests: International travel, music production, cycling, typography, and modern art