

# ALEXANDER S. KERN

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## EDUCATION

### UNIVERSITY OF CALIFORNIA, BERKELEY

Berkeley, California

*Computer Science Major, 3.73 GPA*

August 2012 to May 2016

## WORK EXPERIENCE

### ALSOP-LOUIE PARTNERS

Berkeley, California

*Associate*

August 2013 to Present

- 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](http://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

### PLANETBRAVO SUMMER CAMP

Beverly Hills, California

*Assistant Camp Director*

June 2008 to August 2009

- Developed robotics curriculum and taught 20 young campers a week how to build and program robots

## 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