

ALEXANDER S. KERN

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

Berkeley, California

Computer Science Major

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), 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