

ALEXANDER S. KERN

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EDUCATION

University of California, Berkeley
Computer Science Major (4.0 GPA)

*Berkeley, CA
August 2012 to May 2016*

WORK EXPERIENCE

NASA Jet Propulsion Laboratory, Ops Lab

Pasadena, California

Software Engineering Intern

June 2011 to August 2011

- Developed highly-available backup software to enable durable storage on the cloud
- Gave a live-broadcast presentation to JPL employees on cloud architecture
- Presented at EO Alchemy (<http://eoalchemy.com>), one of Los Angeles's largest entrepreneurial conferences
- 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 developing new unit testing strategies
- 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 restaurant loyalty program Check2
- Developed back-end in Ruby on Rails and Node.js
- Created front-end iPhone, Android, and web applications
- Managed local and international development team of 7 people

Freelance Web Development

Beverly Hills, California

Freelancer

August 2008 to June 2011

- Designed and developed over 20 websites for clients
- Responsible for the entire design from wireframe to completion

PlanetBravo Summer Camp

Beverly Hills, California

Assistant Camp Director

June 2008 to August 2009

- Developed and taught Robotics curriculum to elementary school-age campers
- Assisted Game Design and Web Design instructors with teaching courses

SKILLS

9 years of experience using client-side web technologies (HTML/CSS/JavaScript)

6 years of back-end web development in Java, Ruby, and Node.js

Proficient in both relational and non-relational databases including PostgreSQL, Redis, and MongoDB

ACTIVITIES

Website and Internet Chairman for the Alpha Epsilon Pi Fraternity

December 2012 to Present

Mentor for the Beverly Hills High School FIRST Robotics Team

June 2012 to Present