Alexander S. Kern

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Computer Skills

- Extremely proficient in client-side web technologies (XHTML/CSS/JavaScript)
- Highly experienced with back-end web development in Ruby on Rails, PHP, and Erlang
- Well versed in relational and non-relational databases
- Familiar with Java, Objective-C, and C++, Adobe Photoshop and Adobe Illustrator

Work Experience

JPL Internship - [June to August in 2010 and 2011]

- Worked as an intern at Jet Propulsion Laboratory, a major NASA field center
- Helped test the motor control system of the Mars Science Laboratory
- Developed software to enable extremely durable storage on the cloud
- Gave presentations on domain-specific languages and cloud architecture

Artcentric Networks Lead Developer - [April 2010 - present]

- Lead backend web developer of new web application (yet to be released)
- Developed the backend in Ruby on Rails and PostgreSQL
- Organized the website development team
- Managed outsourced developers through oDesk

BHHS Robotics Team Leader - [December 2007 - present]

- Team Co-President - BHHS FIRST Robotics Team 1515 - MorTorq (1 year)
- Programming Captain - BHHS FIRST Robotics Team 1515 - MorTorq (2 years)
- Website Co-Leader - BHHS FIRST Robotics Team 1515 - MorTorq (3 years)

Freelance Web Designer - [August 2008 - present]

- Developed over 20 websites for both friends and clients
- Single-handedly created the entire design: wire frame to completion

PlanetBravo Summer Camp - [June to August in 2008 and 2009]

- Developed Robotics curriculum and taught Robotics to elementary school-age campers
- Assisted Game Design and Web Design instructors creating and teaching courses
- Designed scripts for use with Torque Game Builder

Education

- Beverly Hills High School - anticipated Graduation Date: June 2012
- Cumulative Academic GPA: 3.75 with 4.2 GPA (Weighted)
- Completed: Advanced Algebra and Trigonometry, Chemistry, Honors Geometry

Interpersonal Skills

- Organized and efficient in leadership position
- Creative and supportive team member
- Resourceful problem solver dedicated to highest quality of work
- Excellent communication skills and *great sense of humor*

References and links for website portfolio available upon request.