

# AKHILA RAJU

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## SKILLS

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Java	Python	C#
Scheme	JavaScript	HTML & CSS
User Experience	User-centered Design	Design Thinking
Rapid Prototyping	User Research	Interaction Design
Data Analysis	Product Design	Product Development

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## EDUCATION

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### University of California, Berkeley

2012 - 2016

*Bachelor's Degree, Computer Science*

*Bachelor's Degree, Psychology*

*Course Thread, Human-Centered Design*

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## EXPERIENCE

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### SAP Labs

05 / 2014 - Present

*Hasso Plattner Projects Team Intern*

Palo Alto, CA

- Rapidly prototype new technology concepts with short turnaround times for SAP's head of development
- Develop and design user-centered web apps using HTML5, JavaScript, Kinect for Windows V2 SDK, Google Glass
- Research, design, and implement interaction design concepts with visionary user interfaces

### UC Berkeley Computer Science Department

01 / 2014 - Present

*Computer Science 10 edX Course Developer*

Berkeley, CA

- Successfully led integration of UC Berkeley's Computer Science 10 "Besides Blocks" curriculum onto edX for April 17 launch, made for use by a class of 238 students
- Assist in analyzing and deciding the direction of CS10 course and the creation of the College Board AP Computer Science Principles course
- Assist in designing and adding curriculum to edX course, which launched in June 2014 for use by high school students and launch in 2015 for worldwide use

- Assist in writing and developing autograders, thereby eliminating the need for human course graders

## **Berkeley Center for New Media**

01 / 2014 - Present

*Research Assistant*

Berkeley, CA

- Formulate and design application usages for MetaMorphe, a JavaScript toolkit which allows for the creative design and development of dynamic 3D models used for digital fabrication technologies such as 3D printing
- Devise and conduct usability testing for MetaMorphe in order to understand the interactions different user groups, including programmers and artists, have with the technology
- Assist in data collection and analysis of air particle counter invention

## **UC Berkeley Institute of Human Development**

06 / 2013 - 01 / 2014

*Research Assistant*

Berkeley, CA

- Independently ran technical aspect of experiments, including the collection and editing of sound recordings of participants' responses using Audacity, defining and classifying participant location in video recordings using INTERACT, and coding sound recordings of participants' responses into emotional categories
- Performed data collection, data entry and data analysis, maintaining research results for 180 participants
- Recruited children within the 13-25 month-old age range for experiments

## **UC Berkeley Computer Science Department**

06 / 2013 - 08 / 2013

*Computer Science 10 Lab Assistant*

Berkeley, CA

- Prepared and led a discussion on the social implications of computing to a class of 20 students
- Assisted students with conceptual and coding questions

## **Burzynski Clinic**

03 / 2011 - 05 / 2012

*Oncology & Nutrition Intern*

Houston, TX

- Developed and executed a research project investigating the relationship between nutrition and cancer, which was presented to the head oncologist and staff. This transformed the nutrition program and helped increase the sales of nutritional supplements at the clinic
- Compiled pamphlets on nutrition and updated existing educational materials provided to patients using Microsoft Office tools
- Interacted with clients during business meetings and assisted with marketing aminocare products

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## **VOLUNTEER EXPERIENCE**

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### **You Mean More**

05 / 2012 - Present

*Recruitment Coordinator*

Berkeley, CA

- Raise \$20,000+ through the annual UC Berkeley Suicide Prevention Walk, proceeds of which are donated to the American Foundation of Suicide Prevention, which funds mental health screenings at UC Berkeley
- Organize and lead workshops to contact campus organizations and ask them to participate and/or volunteer in our annual walk.