

AKHILA RAJU

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SKILLS

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

EDUCATION

University of California, Berkeley

2012 - 2016

Bachelor's Degree, Computer Science

Bachelor's Degree, Psychology

Course Thread, Human-Centered Design

EXPERIENCE

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 applications using Java, C#, JavaScript, HTML and CSS, Kinect for Windows V2 SDK, Google Glass GDK
- 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 as an introductory to Python
- Analyze and decide the direction of the course and the creation of the College Board AP Computer Science Principles Course, which will be released in 2017
- Design and add 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

- Design and develop 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

VOLUNTEER EXPERIENCE

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.