AKHILA RAJU

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EDUCATION

University of California, Berkeley
Expected Graduation Date: 05 / 2016
Pursuing Dual Bachelor's Degrees in Computer Science & Cognitive Science, Emphasis in Human-Centered Design

SKILLS

Programming Java, Python, C#, Scheme, Android
Web Development HTML, CSS, JavaScript
UI/UX rapid prototyping, wireframing, user research

LEADERSHIP

Berkeley Innovation Product Developer
Design@Berkeley: Jacobs Student Council College of Engineering Design Minor Councilperson
Safi Founder of Medical Tech startup

EXPERIENCE

edX Team Lead and edX Development Team Lead for Computer Science 10 @ UC Berkeley   08 / 2014 - Present

Decide future direction of CS10 UC Berkeley Course, Beauty and Joy of Computing edX MOOC, and College Board AP Computer Science Principles course (to be released in 2017). Successfully led integration of CS10 curriculum onto edX, used by hundreds of students since Spring 2014. Assist in writing curriculum which introduces Python to students with no programming knowledge. Assist in developing autograders for edX MOOC, eliminating need for human graders.
Previous roles: CS10 Course Developer (01/2014 – Present), CS10 Lab Assistant (05/2013 - 08/2013)

Research Assistant for Berkeley Center for New Media @ UC Berkeley   01 / 2014 - Present

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. Devise and conduct usability testing for MetaMorphe. Assisted in data collection and analysis of air particle counter invention.

R&D Intern for Hasso Plattner Projects Team @ SAP Labs Office of the CTO   05 / 2014 - 08 / 2014

Rapidly prototyped new technology concepts with short turnaround times for SAP's head of development. Developed using Java, C#, JavaScript, HTML, and CSS; used Google Glass and Kinect for Windows V2 SDKs. Researched, designed, and implemented interaction design concepts with visionary user interfaces.

Undergraduate Researcher for Institute of Human Development @ UC Berkeley   06 / 2013 - 01 / 2014

Independently ran technical aspect of experiments, including collection and editing of sound recordings of participants' responses, defining and classifying participant location in video recordings, 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.

Oncology Research Intern @ Burzynski Clinic   03 / 2011 - 05 / 2012

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