

SAMYAK SHAH

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Education

Carnegie Mellon University, Human Computer Interaction Institute

Master in Educational Technology and Applied Learning Science

Pittsburgh, PA

August 2016

Indian Institute of Technology

Master of Science in Cognitive Science

Gandhinagar, India

May 2015

National Institute of Technology

B.Tech. Industrial Engineering and Management

Kurukshetra, India

June 2011

Experience

Learning Engineer at Bisk Education Pvt Ltd.

October 2016 – Present

- Coordinating and communicating issues to PMs, AVP and Operations Staff to change the product development process to provide a more seamless experience for student users
- Leading two innovation teams to create prototypes for specific pedagogical goals by employing evidence based principles.
- Consulting client universities on best practices as needed – Wrote a white paper.
- Internal Expert on ADA compliance for all content produced by Bisk.
- Testing the usability of final courses by interviewing and behavioral tasks like tree test.

UX/LX Researcher for Western Governors University

January 2016 – August 2016

- Leading Research for building a mobile app for asynchronous, self-paced online degree program to help increase student engagement.
- Developed and Conducted Interviews, Usability Testing for both Online and In-Person participants, Affinity Diagrams, Literature Review, Personas.
- Developed part of the Front-end for the final app using Ionic framework

Intern at New York State Department of Health, Albany NY

May 2014 – July 2014

- Used SAS to Analyze 5 years' trends on communicable diseases at Bureau of Communicable Disease Control resulting in actionable statistics on demographic trends on food and blood borne diseases.

Math Faculty at Jamboree Education Services Pvt. Ltd.

September 2012 – April 2013

- Taught mathematics for students of age group 15 to 32 for standardized tests SAT, GRE and GMAT. Average student performance increased by 5%.
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Projects

Data Driven Course Improvement at Carnegie Mellon University

June 2016 – August 2016

Role - Analyst

- Analyzed student interaction data for Biology dataset on Datashop at CMU.
- Provided actionable recommendations for improvement in courses and/or the cognitive models used for predicting error.

Tutor Design and Development

September 2015 – December 2015

Role – Research, Modelling and Development

- Developed an intelligent tutor using Jess to teach math topics like equation solving and dose calculation.
- Conducted Cognitive Task Analysis to understand the knowledge needed to be modelled.

Measuring Math Anxiety: An Exploratory Study

August 2014 – April 2015

Role – Research, Design, Development and Analysis of Data

- Studied Math Anxiety in students of different age groups to measure associated physiological markers. Analysis indicated a possibility of the role of Trait Anxiety in affective response variability for math questions.
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Skills

Computer Skills: HTML, CSS, Python, Adobe InDesign.

Select Coursework: E-learning Design, Personalized online learning, Scientific Research in Education, Interaction Design.

Design Skills: Storyboarding, Personas, Affinity Diagrams, Journey Maps, Usability Testing.

Research Skills: Interviews, Cognitive Task Analysis, Experimental Techniques, Contextual Inquiry, Survey Design

Management Experience: Leadership, Change Management