

Jaskirat Randhawa

Interaction Designer

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ABOUT

Jaskirat is a designer, a developer and an engineer. His work is driven by a passion to create meaningful technologies with social responsibility.

FOCUS



Physical
Interfaces



Internet
of Things



Data
Visualization



Fabrication
Technologies

WORK

Metropolitan Museum of Art, New York, US

Internship at MET Media Lab

September 2014 - December 2014

Developed a kinetic sculpture controlled by a brain-computer interface for research project called Technkisi. It focused on creating new interactions within the context of museum technologies.

Outset India / Gujral Foundation, New Delhi, India

Graphic, Print, Web Design & Development

February 2014 - August 2014

Worked as web developer and designer for projects involving the philanthropic organization for contemporary art.

Creative Marketing Fix, New Delhi, India

Graphic & Web Designer

June 2013 - April 2014

Worked as an illustrator and a visual identity designer. Managed a team of 4 designers to handle client projects.

Power System Operation Corporation, New Delhi, India

Internship in Smart Grid Systems

June 2011 - August 2011

Observed live monitoring and analysis of National Electrical Grid and studied improvements in the Human Machine Interface.

Power Grid Corporation of India Ltd., New Delhi, India

Internship in HVDC Systems

June 2010 - August 2010

Studied electrical transmission technologies and national power grid system design. Studied systems monitoring and control technologies.

SKILLS

01 Domains

Interaction Design

Web Development

Fabrication

Creative Coding

Physical Computing

02 Coding

Javascript + Nodejs

Openframeworks / C++

Android / Java

Parametric Modelling

Python

03 Languages

English, Hindi & Punjabi

EDUCATION

Parsons School of Design

MFA Candidate, Design & Technology

July 2014 - May 2016

Career Institute of Technology & Management

B.Tech, Electrical and Electronics Engineering

August 2008 - December 2012

RESEARCH & TEACHING

Self Assembly Lab, Visiting Researcher

Massachusetts Institute of Technology, Massachusetts

July 2015 - Dec 2015

Researched on Self-Assembly Architecture. Collaborated to create new 3D printing methods. Created large-scale programmable materials.

Open Source Glass Fabrication, Research Assistant

Parsons School of Design, New York

August 2015 - Present

Currently researching on creating new methods of fabricating glass using open source CNC machines.

Ketai Library for Processing, Research Assistant

Parsons School of Design, New York

August 2014 - Present

Testing and maintaining the workflow for *Ketai Library's* online repository. The library is used in Processing language for rapid prototyping Android Apps.

Creative Code & Prototyping ,Teaching Assistant

Parsons School of Design, New York

February 2015 - Present

Providing technical guidance to students in class for project management and approach strategies

Bootcamp Instructor for MFA, Design & Technology

Parsons School of Design, New York

August 2015

Taught coding principles and practices for the incoming batch of Design & Technology students.

MERITS & AWARDS

- Awarded NYC Media Lab Combine, New York, 2015
- Winner of A+E Networks History Design Jam, New York, 2015
- Awarded NYC Media Lab Connected Futures Grant, New York, 2015
- Dean's Merit Scholarship, Parsons, New York, 2014-2016
- Runner-Up at Hack Multiple Sclerosis Tech Hackathon, Boston, 2015
- Runner-Up at Pernod Ricard Hackathon, New York, 2015
- Awarded Research Travel Grant by Parsons, New York, 2015
- Gold Medal Silver Zone Intl. Informatics Olympiad, New Delhi, 2007

Activities and Societies, New York, 2014-2015

- Electronics Society, Co-Chairperson
- Dorkshops , Co-Chairperson
- Wearshops, New York, Co-Creator and Developer
- Volunteer at Digital Media Lab, Metropolitan Museum of Art