

Kandarp Khandwala

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Education

UC SAN DIEGO, Human-Computer Interaction 2015-present, Ph.D.
IIT BOMBAY, Computer Science & Engineering 2011-2015, B.Tech.

Experience

The Design Lab, UCSD – Advisor: [Philip Guo](#) 2016-present
Building scalable, user-centered systems to help people learn and do programming better.

Adobe Technology Labs, Bangalore – Intern with [Moumita Sinha](#) 2014
Visualized e-commerce site visitors based on their tendency of abandoning shopping carts (from previous activity) and unsubscribing from email newsletters, for real-time targeting.

IIT Bombay – Undergraduate research with [Ashwin Gumaste](#) 2014
Envisioned analogies to the world of VMs for hardware supporting network virtualization.

Publications and Patents

Paper on video-based tutorial interfaces for computer programming (title anonymized)
Kandarp Khandwala, Philip Guo. *Under submission to CHI*.

[Online Shopping Cart Analysis and Predicting Unsubscription of Potential Customers](#)
Moumita Sinha, Kandarp Khandwala, Harvineet Singh, DP Tejas. *Patents currently published*.

Network Hardware Virtualization for Application Provisioning in Core Networks
Ashwin Gumaste, Tamal Das, Kandarp Khandwala, Inder Monga. *IEEE Comm. Magazine*, 2017.

Previous Work

[Making Marshmallow's Permissions Sweet Again](#): Defined a new, secure permission model for Android that prevents misuse of permissions while reducing user interruption.

[Conversational agents may improve problem-solving time and don't affect satisfaction](#): Experimented the design of a chatbot for augmenting learn-to-code UIs in place of live help.

[Volo \(Italian for flight\)](#): Prototyped a mobile app-based travel startup idea from inception, along with a business plan and video sketch for launching a crowdfunding campaign.

Lectures and Talks

HCI: [Needfinding](#), [Mental Models](#) and [Analytics & A/B Testing](#)
Conducted lectures for the Scott Klemmer/Philip Guo's Interaction Design course at UCSD.

AI: [Computational Humor](#)
About modeling/tackling the problem of identifying and generating humorous situations.

Honors and Responsibilities

Ranked **13th in India** in the IIT Entrance Exam (IIT-JEE), among half a million candidates.

Finalist at the Startup UCSD hackathon, in a team of five - goo.gl/ukwnq1

Member of first **PhD Admissions** and **gradWiC* Mentorship** committees for CSE students.

Served as a grader for the **Asian & International Physics Olympiads** (APhO '12, IPhO '15).

Teaching Apprenticeship

CSE 170, COGS 121: Interaction Design (UG+G) 2016-present
Conducted studios on storyboarding, experience prototyping, heuristic evaluation, A/B testing.

COGS 187A: Usability and Information Architecture (UG) Summer 2016
Created detailed design rubrics and provided feedback on personas, usability, graphic layout.

*graduate Women in Computing