

Kandarp Khandwala

kkhandwala@ucsd.edu • www.kandarp.xyz • 858.291.2232

Background

UCSD • MS in Computer Science (Human-Computer Interaction) • 2015-18

IIT Bombay • BTech in Computer Science & Engineering • 2011-15

Research Experience

The Design Lab, San Diego • Advised by Prof. Philip Guo • 2016-present

Created user-centered interventions to help people program and design effectively

- [Expanding the design space of learner interactions with programming tutorial videos](#)

Kandarp Khandwala and Philip Guo. *Published at ACM Learning at Scale 2018*

Google, Mountain View • UX Research intern with Tao Dong • Summer 2018

Improving the usability of error messages in the Flutter SDK (see [slide deck](#) of results)

- + Interviewed engineers from the Flutter team to get an understanding of how they write error messages and the considerations or lack thereof, that they put into these messages
- + Conducted a systematic examination of pertinent design principles that could apply
- + Prototyped variations of error messages in the way they are presented, and tested how they affected performance of users (developers) in debugging tasks, via surveys

Adobe Research, Bangalore • Research intern with Moumita Sinha • Summer 2014

Visualized visitors of a major e-commerce website based on their tendency of abandoning shopping carts and unsubscribing from email newsletters

- [Predicting unsubscription of potential customers](#)

Moumita Sinha, Kandarp Khandwala, Harvineet Singh and DP Tejas. *Patent allowed*

- [Online shopping cart analysis to identify true cart abandonment from prior behavior](#)

Moumita Sinha, Kandarp Khandwala, Harvineet Singh and DP Tejas. *Patent filed*

Previous Work

Conversational agents may improve problem-solving time and don't affect satisfaction:

Evaluated the design of a chatbot for augmenting learn-to-code UIs in place of live help

Making Marshmallow's Permissions Sweet Again: Designed a new permission model for Android that prevents misuse of permissions while reducing interruptions to the user

Volo: Prototyped a mobile app-based travel app from inception, along with a startup business plan and video sketch for launching a crowdfunding campaign

Honors and Responsibilities

Ranked **13th in India** in the IIT Joint Entrance Exam, 2011 among half a million candidates

Finalist at Startup UCSD hackathon, 2016 in a team of five: **Live Vibe**

Part of the **GradWiC Board**, **CSE Mentorship** and **PhD admissions** student committees

Served as a grader for the **International and Asian Physics Olympiads**

Teaching

Introduction to Human-Computer Interaction

Conducted studios on storyboarding, experience prototyping, heuristic evaluation, A/B testing

Conducted lectures on Needfinding and Mental Models for Philip Guo/Scott Klemmer

Usability & Information Architecture

Created detailed design rubrics and provided feedback on personas, usability, graphic layout