

Samarth Singhal

Designer | Researcher | Engineer

604.441.3690

samarth3692@gmail.com

www.samarthsinghal.com

EXPERIENCE

Unity | Senior UX Designer

MAY 2019 - PRESENT | VANCOUVER, BC

- Leading the product design for real-time 3D tools to transform non-gaming industries to enable more 3D content generation and easy authoring workflows for various and emerging user segments.

Finger Food Advanced Technology Group | UX Designer

AUG 2019 - MAY 2019 | VANCOUVER, BC

- Designing digital products and user experiences for bleeding edge technology and immersive connected experiences in the areas of robotics, mobile, AR, VR, and wearables.

North Inc. | Design Technologist

MAR 2018 - JULY 2019 | KITCHENER, ON

- Lead the early ideation, design, and development of projects related to contextual computing, AI/ML, sensing, interaction techniques to explore new concepts and user-experiences of next generation of smart glasses.
- Showcased the value of generative and evaluative user research by enhances the in-house research capabilities, and champion the culture of continuous learning from development efforts across other organization.

Simon Fraser University | Graduate Research Assistant

SEP 2015 - MAR 2018 | VANCOUVER, BC

- Prototyped, developed, and conducted foundational and evaluative research on the area of connecting people over distance adopting a wide range of research methods and tools (qualitative and quantitative).

Samsung | UX Intern

MAY 2016 - AUG 2016 | VANCOUVER, BC

- Developed a smartwatch application to enhance workplace collaboration and awareness among flight attendants and crew members.

Infosys Ltd. | Senior Systems Engineer

JUL 2012 - JUL 2015 | INDIA

- Worked as a PeopleSoft Technical Analyst responsible for developing and enhancing a CRM tool using agile methodology, and collaborating with various distributed teams to ensure compatibility and scalability.

EDUCATION

Simon Fraser University | MS HCI

SEP 2015 - AUG 2017 | VANCOUVER, BC

Thesis: Designing Communication Technologies for Couples to Support Touch Over Distance

Advisor: Carman Neustaedter

Jaypee University | B.Tech CSE

JUN 2008 - JUL 2012 | INDIA

Thesis: Augmented Chemistry - Interactive Educational Tool for Chemistry

SKILLS

Research

Usability Testing
Contextual Inquiry
A/B Testing
User Interviews
Heuristic Evaluation
Quantitative Surveys
Eye Tracking

Design

Empathy Map
User Journey
Personas
Storyboarding
Wireframing
Jobs to be Done
Data Visualization

Development

Python
Java | Android
C/C++ | Qt | QML
JavaScript
Arduino
TensorFlow | TFLite

Tools

Sketch
Flinto
InVision
XCode
Figma
Pen & Paper :)

HONORS AND AWARDS

Clark Wilson LLP Scholarship, 2017

SFU Graduate Fellowship, 2017-18

GEM of Growth Market - Infosys, 2015

Westpac Recognition Award, 2014

1st Prize at ACM Delhi-NCR Chapter, 2012

PROJECTS

Flex-N-Feel | Simon Fraser University

JAN 2016 - APR 2016

- Fabricated and engineered a pair of haptic gloves to transfer touch over distance.
- Conducted an exploratory study (mixed methods) with couples to explore the design space and evaluate design iterations;
- **Singhal, S., Neustaedter, C., Ooi, Y. L., Antle, A. & Matkin, B. (2017) Flex-N-Feel: The Design and Evaluation of Emotive Gloves for Couples to Support Touch Over Distance, CSCW 2017**

Time-Turner | Simon Fraser University

SEP 2016 - DEC 2016

- A scenario-based field study of a probe to understand how family members would search, filter and replay videos to connect to their past using everyday smart objects such as drink coasters.
- **Singhal, S., Neustaedter, C., Odom, W., Bartram, L. & Heshmat, Y. (2018) Time Turner: Designing for Reflection and Remembrance of Moments in the Home, CHI 2018**

Augmented Chemistry | Jaypee University

DEC 2011 - JUN 2012

- AR application for students to learn chemistry by designing and interacting with the virtual 3D molecular models with the help of a tangible user interface to better understand the 3D modelling and spatial arrangement of molecules.
- **Singhal, S., Bagga, S., Goyal, P., & Saxena, V., (2012) Augmented Chemistry: Interactive Education System, IJCA 49, 15 (July 2012).**

PUBLICATIONS

- Neustaedter, C., **Singhal, S.**, Pan, R., Heshmat, Y., Forghani, A., & Tang, J. (2018) *From Being There to Watching: Shared and Dedicated Telepresence Robot Usage at Academic Conferences*, **TOCHI 2018**
- **Singhal, S.** & Neustaedter, C. (2018) *Caller Needs and Reactions to 9-1-1 Video Calling for Emergencies*, **DIS 2018**
- Wong, S., **Singhal, S.** & Neustaedter, C. (2018) *The Study and Design of Collaboration Tools for Flight Attendants*, **International Journal of Mobile Human Computer Interaction**
- Yang, L., Jones, B., Neustaedter, C. & **Singhal, S.** (2018) *Shopping Over Distance through a Telepresence Robot*, **CSCW 2018**
- Pan, R., **Singhal, S.**, Riecke, B., Cramer, E. & Neustaedter, C. (2017) *MyEyes: The Design and Evaluation of First Person View Video Streaming for Long-Distance Couples*, **DIS 2017**
- Shakeri, H., **Singhal, S.**, Pan, R., Neustaedter, C. & Tang, A. (2017) *Escaping Together: The Design and Evaluation of a Distributed Real-Life Escape Room*, **CHI PLAY 2017**

TEACHING & SERVICES

Teaching Assistant

- Design Evaluation (IAT 432) | Spring 2016, Spring 2017
- Web Design and Development (IAT339) | Fall 2015, Fall 2016

Conferences and Events

- Vancouver UX Awards 2020
- ACM CHI 2016, 2018, 2019
- DIS 2018
- CSCW 2017

PATENTS

North Inc. 3 Pending

VOLUNTEER

Student Volunteer

- ACM CSCW 2017, CSCW 2018

Formula 1 Marshall

- Fire Marshall for Indian GrandPrix in 2011