

# ISHPREET SEKHON

Game Developer | UX Designer



<https://ishsek.github.io/>  
[issekhon@sfu.ca](mailto:issekhon@sfu.ca)

Surrey, B.C., Canada  
(604)-807-2259

## WORK EXPERIENCE

### Game Development Co-op Programmer

Sep 2020 - April 2022

*Hardspace: Shipbreaker* - Blackbird Interactive Inc

- Wrote code for *Hardspace: Shipbreaker*, which received Overwhelmingly Positive review status on Steam and was nominated for and won various game awards.
- Owned and contributed to released features involving gameplay scripting, data systems, UI, UX, accessibility, QoL, onboarding, localization and more.
- Championed improvement of game interfaces and implementation of new interfaces as the primary UI programmer on the code team.
- Improved code base using cutting edge techniques including Unity's Entity Component System, multi-threaded Jobs, and performance profiling.
- Collaborated with designers, artists, programmers, QA and production to get features developed on time, as designed and stable.

### Visual Interaction Design Co-op

Jan 2020 - Apr 2020

*Compact Mobility Unit* - Nokia

- Designed the *Compact Mobility Unit* product for Nokia with many interested buyers.
- Created personas, value proposition, user flows and slide decks to clearly communicate design concept to the team.
- Sketched, wireframed, prototyped and demoed the product during design phase.
- Iterated and adapted the design to match project requirements, release changes, stakeholder feedback and branding guidelines.
- Collaborated with designers, developers, engineers, business and other stakeholders to create a meaningful product for Nokia and its clients.

### Game Development Support

Sep 2019 - Dec 2019

*NHL 20* - Keywords Studios, Electronic Arts

- Tested new Hockey Ultimate Team content for *NHL 20*.
- Performed regression, ad hoc and free testing within an assigned area of the game.
- Documented bugs, issues and feedback with specific focus on UX issues.
- Collaborated with the team to make testing efficient and reach milestones.

## TOOLS

- Unity
- C#
- Unity ECS
- Git
- Perforce
- JIRA
- Profilers
- Sketch
- Figma
- Marvel
- Illustrator
- Axure RP
- Adobe XD
- Framer X
- Java
- HTML
- CSS
- JavaScript

## EDUCATION

**BSc, Interactive Arts and Technology Major**  
Interactive Systems Concentration  
Simon Fraser University  
Vancouver, B.C.  
3.33 / 4.33 GPA  
Class of 2023

## DESIGN COURSE PROJECTS

### Game Designer, Programmer

Sep 2019 - Dec 2019

*Planetary Control* - Experimental Multiplayer Strategy Game

- Concepted and produced *Planetary Control*, a game with a unique combination of strategy and third person action that hasn't been done before.
- Wrote and presented a complete design doc which included details of the concept, pitch, gameplay structure, aesthetics, story, development timeline, engine, prototyping and testing plan, uncertainties, risks, and alternatives.
- Designed and documented specifications for user flows, core loop, smart depth variations, world lore, level design, pacing, reward schedules and feedback model.
- Programmed the game in Unity and C# with advanced features implemented like Networked Multiplayer, AI, UI, Pathfinding, Lighting, Third Person and Isometric Controls, Upgrading, Stat Tracking, QoL and more.
- Conducted playtesting, interviews and feedback synthesis which gave a design direction to future changes and iterations.
- The completed gold code was awarded with a technical achievement by industry judges for the complexity of features involved.

### UX/UI Designer, UX Researcher

Sep 2018 - Dec 2018

*Food for the Heart* - Mobile App and Community Engagement

- Designed *Food for the Heart*, a food app for South Asians in BC that showcases healthy alternatives to traditional dishes, in a team of 4.
- Collaborated with a local company SAHRC (South Asian Health Research Collaborative) to create a design intervention for them to improve outreach.
- Performed ethnography studies, affinity diagramming, persona creation, user journey mapping, storyboarding, and participatory workshops to ensure the design was highly targeted towards stakeholders.
- Presented ideas to SAHRC representatives and to instructors during lectures to communicate reasoning.