

Skills

Design

Data Visualization
User Interface Design
User Testing
Prototyping
Design Methodologies

Development

Web Development
Android Development
JavaScript
Java
C
C++
C#
Python

Communication

Public speaking
Technical Writing

Software

Adobe Design Suite
Balsamiq
Axure
Oxygen XML Writer

Work History

Technical Writer/Developer,
2013–15
FINCAD

Visual Analytics Research
Assistant, 2014–15
SFU CZLab

UX Designer, 2012
BCcampus

Content Intern, 2011
BroadbandTV

Shipping Clerk, 2008
Aviall

Grocery Assistant, 2004–07
Real Canadian Superstore

My goal as a designer is to make sense of the many complexities in our world and to render them understandable. I have a unique combination of communication skills, with knowledge built on

economics, technology, and design. I am seeking positions dealing with challenging concepts and interfaces, where I can use my skillset to create the best designs for communicating them.



Data Visualization Design

Visual Analytics Research Assistant, SFU CZLab ☛ May 2014 – May 2015

Context

- ✦ Spearheaded research towards using fitness trackers to alleviate arthritis
- ✦ Aimed to design a UI that supported physiotherapists and their patients

Responsibilities

- ✦ Built click-through UI prototypes in Axure
- ✦ Performed data analysis using the Pandas Python library
- ✦ Wrote functional data visualization prototypes in Processing and d3.js
- ✦ Gathered requirements from physiotherapists in research group

Results

- ✦ Identified critical patient data through prototyping
- ✦ Prototypes used to successfully receive grant funding

Web Design

UX Designer, BCcampus ☛ May – December 2012

Context

- ✦ Assisted with upgrade to ApplyBC, a university application form site
- ✦ Waterfall development went through design, development, and testing

Responsibilities

- ✦ Created click-through wireframe prototypes in Balsamiq mockups
- ✦ Implemented HTML and JavaScript front-end of site with GWT
- ✦ Researched, designed, and conducted ApplyBC upgrade user test
- ✦ Wrote report summarizing user test findings in Adobe InDesign

Results

- ✦ ApplyBC upgrade launched smoothly
- ✦ User test report guided next iteration of ApplyBC

Lynda.com mobile redesign, UI design course ☛ Fall 2014

Context

- ✦ Project to design Lynda.com, an online course site, for mobile devices
- ✦ Redesigned site would sync with university students' enrolled courses

Responsibilities

- ✦ Performed heuristic evaluations and guerrilla user tests to guide design
- ✦ Sketched designs and created wireframes collaboratively in Balsamiq
- ✦ Conducted user tests with paper prototypes based on wireframes

Results

- ✦ Users quickly found relevant videos
- ✦ Report noted for being thorough

Front-end Development

Technical Writer/Developer, FINCAD ☛ May 2013 – May 2015

Context

- ✦ Contract position to document and design financial software
- ✦ Flexible role that changed depending on the sprint and release date

Responsibilities

- ✦ Wrote guide and code samples for SDK product in Java, C#, and C++
- ✦ Redesigned documentation, written in HTML, CSS, and Python
- ✦ Designed and implemented CMS in Bootstrap for a Django-based app

Results

- ✦ Increased readership of user guides
- ✦ Reduced support calls regarding SDK

Education

BSc School of Interactive Arts
& Technology, 2015
Simon Fraser University

BA Economics, 2010
Simon Fraser University

Data Visualization Design

English farm prices, Visual analytics course 🍷 Spring 2013

Context

- ❖ Project to make a polished interactive data visualization
- ❖ Used historical time series of English farm prices from 1500-1914

Responsibilities

- ❖ Sketched designs and created mockups in Adobe Illustrator
- ❖ Researched appropriate techniques for long time series data
- ❖ Developed visualization in Java with the Processing library

Results

- ❖ Received top grades on project
- ❖ Used interaction to facilitate exploration and minimize space

Android Development

Benefit, Mobile app design course 🍷 Fall 2013

Context

- ❖ Project to make a functional prototype of an Android app
- ❖ Team chose to make a fitness app, focusing on data visualization

Responsibilities

- ❖ Designed interface through iterating wireframes and prototypes
- ❖ Implemented design in Java, and tested to support Android 2.3 and up
- ❖ Accessed Fitbit API and stored user data in MySQL on user's device

Results

- ❖ Functional prototype worked perfectly in demonstration
- ❖ App design called "highly intuitive"

Interactive Object Design

Sunset Sails, Speculative design course 🍷 Spring 2014

Context

- ❖ Visualize natural gas consumption at Vancouver public buildings
- ❖ Present to city engineers & use their feedback to iterate designs

Responsibilities

- ❖ Sketched designs and designed slides for presentations
- ❖ Accessed natural gas API and connected data to Arduino board
- ❖ Constructed physical prototypes

Results

- ❖ Presentation skills impressed city staff
- ❖ Physical prototype connected to live building data in API

Hexboards, Interaction design methods course 🍷 Spring 2012

Context

- ❖ Team project to design a product for a local community group
- ❖ Design was guided by using research, ideation, and evaluation methods

Responsibilities

- ❖ Learned about group needs by performing cultural probes & interviews
- ❖ Designed posters to communicate research findings with group & class
- ❖ Organized workshops to refine design using group's input on prototypes

Results

- ❖ Group found design useful for their needs
- ❖ Lecturer described design as highly creative, appropriate

Volunteer History

Toastmasters, 2008-12

Rona MS Bike Tour, 2011

Canadian Liver Foundation,
2011

SFU Leadership Summit, 2011

SFU Residence Training, 2010

Economics Student Society,
2008-10

Public Speaking & Leadership

Club President, Burnaby Mountain Toastmasters 🍷 April 2009 – June 2010

Context

- ❖ Toastmasters teaches public speaking with practice and peer education
- ❖ Few students knew about club, despite being on campus for decades

Responsibilities

- ❖ Organized and motivated executive team to facilitate club meetings
- ❖ Mentored and assisted members' growth as public speakers
- ❖ Created events to challenge members' skills and promote club

Results

- ❖ Grew membership from 10 to 30 people
- ❖ Members achieved certificates at a much faster rate