

Skills

Experienced in

Data Visualization
User Interface Design
User Testing
Prototyping
Technical Writing

Familiar with

Web Development
Android Development
Design Methodologies

Languages used

JavaScript
Java
C
C++
C#
Python

Software

Adobe Design Suite
Balsamiq
Axure
Oxygen XML Writer

Work History

Technical Writer, 2013–15
FINCAD

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

Objective

My goal as a designer is to make sense of the complexities in our world and to render them understandable. I am uniquely capable, owing to my skills combining economics,

technology, and creativity. I seek positions dealing with challenging concepts and interfaces, where I can use my skillset to create designs for communicating them.

Work Experience

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

Technical Writer, 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
- Authored documentation in XML for Excel and web API products

Results

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

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

Education

BSc School of Interactive Arts
& Technology, 2015
Simon Fraser University
BA Economics, 2010
Simon Fraser University

Course Projects

Benefit Mobile Fitness App

Mobile App Design, 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

- Researched approaches to fitness app design
- 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"

English Farm Prices Visualization

Visual Analytics, 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

Lynda.com Mobile Redesign

UI Design, 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

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

Leadership

Club President, Burnaby Mountain Toastmasters

Spring 2009 – Summer 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