

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, 2008-2012
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