Carrie **Mah**

Computer Scientist | Developer | UX Designer

☎ (403) 869.9886 | ✉ hello@misscarriemah.ca | 🏠 www.misscarriemah.ca | 🐱 misscarriemah | 💼 carriemah

Education

B.S. in Computer Science   *Calgary, Canada*
UNIVERSITY OF CALGARY   September 2011 - June 2018

- Concentration in Human Computer Interactions and minor in Visual Studies, enrolled in the Internship Program

Skills

Skills	Interaction design, rapid prototyping, user research, website design
Tools	Visual Studio, JUnit and NUnit, MAMP, Photoshop, Illustrator, Git, LaTeX
Languages	C#, XAML, WPF, Java, Processing
Web Technologies	Wordpress, HTML, CSS, Sass, JavaScript, PHP
Operating Systems	Mac OS X Yosemite, Windows 8, Scientific Linux, Windows Phone

Experience

Developer Intern   *Calgary, Alberta*
CRITICAL MASS   May 2015 - August 2015

- Worked in an interdisciplinary team to create a strategic plan, creative design, social campaign, technical document, and a prototype in HTML5, Less, and Javascript for a mobile application.
- Developed responsive design to translate design layouts into a clickable prototype in Middleman, HTML, and Sass.
- Maintained an existing Wordpress site to include mobile capabilities through HTML, CSS, and Javascript. Designed and coded features in PHP such as a blog and event calendar. Created a detailed end user document discussing how to use the site.

Undergraduate Research Assistant   *Calgary, Canada*
INNOVIATIONS IN VISUALIZATION LABORATORY, INTERACTIONS LAB   August 2014 - Present

- Contributed to a paper about how non-scientific disciplines can utilize large images and data on a high resolution large display. The paper was accepted into the 2015 ITS conference.
- Completed a paper about how products can be represented as fingerprints. The paper was accepted into the 2015 VIS Personal Visualization: Exploring Data in Everyday Life workshop.

Summer Student   *Calgary, Canada*
NUREVA   May 2015 - August 2014

- Led development for a C# and WPF client application that used the University of Calgary's SoD framework, which allows multiple devices to communicate together and utilize spatial awareness.
- Developed, debugged, and implemented demonstrations for the client application.

Undergraduate Research Assistant   *Calgary, Canada*
INNOVIATIONS IN VISUALIZATION LABORATORY, INTERACTIONS LAB   May 2013 - May 2014

- Designed sketches and prototypes for a research project in the field of information visualization.
- Developed in Processing and Java to compare the nutritional data between two products.

Related Projects

User Experience Designer   *Grace Hopper Celebraiton*
OPEN SOURCE DAY MICROSOFT DISASTER: RAPID TECHNOLOGY ASSESSMENT APPLICATION   October 2014

- Contributed user experience and design input in a group environment.
- Organized thoughts into paper wireframes and transferred to an online wireframing tool called Moqups.

Software Developer
HOTEL MANAGEMENT SYSTEM

University of Calgary
January 2014 - April 2014

- Co-lead a team to ensure tasks were completed and enforced clean code programming practices.
- Utilized OOP practices to create a system in C# and WPF. Implemented a database using Microsoft's SQL Server.

Software Developer
LIBRARY CATALOGUING SYSTEM

University of Calgary
September 2013 - Deecmber 2013

- Led the team to ensure work was accountable, delegated fairly, and deadlines were adhered to.
- Utilized the Task-Centered User Interface Design to document user stories. Create a prototype in C# and WPF.

Volunteer Experience

Computer Science Department Representative
SCIENCE STUDENTS' SOCIETY

University of Calgary
April 2015 - Present

- Create a Facebook group to share opportunities, events, and resources for undergraduate students.
- Coordinate and lead workshops such as the Google Design Sprint for Mobile and web languages.

Digital Projects Team Lead
WOMEN IN SCIENCE AND ENGINEERING

University of Calgary
April 2015 - Present

- Improving the online presence for the club by designing a Wordpress website.
- Creating wireframes, comprehensive design layouts, and content to explain the club, executive team, and a news system.

Lead Instructor
GIRLS LEARNING CODE

Calgary, Canada
May 2013 - Present

- Assist workshop attendees with their technical educational pursuits.
- Created slide decks and taught programming concepts, Scratch, HTML, CSS, branding, and design.

President
COMPUTER SCIENCE UNDERGRADUATE SOCIETY

Calgary, Canada
May 2014 - April 2015

- Organized a group of executives to plan social, academic and career-focused events for the undergraduate population.
- Strengthened relations with industry representatives and staff members to present at events for the undergraduates.
- Co-created a Resource section for students by including class notes, websites, and online videos to supplement their education.

Demonstration Organizer and Participant
NSERC SURFNET WORKSHOP

University of Calgary
June 2013

- Helped organize demonstrations in the Taylor Family Digital Library and Interactions Lab for the 2013 Surfnet workshop.
- Presented research on representing products visually as a fingerprint, which highlights their differences.

Member and Competitor
PROBLEM SOLVING CLUB

University of Calgary
October 2012 - Present

- Attended meetings and practice contests to strengthen programming and problem solving skills.
- Achieved good standings in provincial programming competitions in a team of two or three.

Conferences

Presenter
IEEE VISUAL ANALYTICS SCIENCE & TECHNOLOGY, INFO VIS & SCIENTIFIC VIS

Chicago, USA
October 2015

- Presented a paper about how products can be represented as fingerprints, which was accepted into the 2015 VIS Personal Visualization: Exploring Data in Everyday Life workshop.

Presenter & Workshop Lead
CANADIAN UNDERGRADUATE COMPUTER SCIENCE CONFERENCE

University of British Columbia Okanagan
July 2015

- Presented "How to be a Superhero" on how students can give back to the community by volunteering or mentoring.
- Led a workshop on Google's Design Sprint methodology and mobile design patterns to encourage Computer Scientists to design for the user when creating a mobile application or website.