

Christopher Ong

UX/UI Designer & Front-End Dev

104 Lappin Ave. • Toronto, Ontario • M6H 1Y4
(519) 496-6692 • c.david.ong@gmail.com
<http://www.christopherdavidong.com>

CAREER PROFILE

- Broad design background spanning product development (automotive and technology sectors), software, manufacturing and military industries
- Proven aptitude for research, prototyping, detailed design, analysis, simulation and validation
- Strong knowledge of engineering documentation and workflow
- Independent learner; consistently able to rapidly achieve fluency in highly specialized environments
- Considerable project management experience; dependable leader and effective planner
- Outstanding communication skills (verbal, visual and written); history of productive collaboration in cross-functional teams

AREAS OF PROFICIENCY

Interface Design

Rapid Prototyping

User Experience

Cognitive Ergonomics

Expert Axure Skills

Web Development

Responsive/Mobile

Accessibility Design

Ideation

Concept Development

Experience Innovation

Technical Presentations

Public Speaking

Resource Preparation

Report Writing

EDUCATION AND CERTIFICATES

BASc (Systems Design Engineering), Honours Co-op Program May 2015
University of Waterloo, Waterloo

WORK EXPERIENCE

User Experience Designer, User Experience Feb. to Sept. 2016
Scotiabank International, Toronto, Ontario

- Used prototyping software, Axure, to create high level and interactive wireframes/prototypes and storyboards
- Worked agile with team members in Toronto and Chile to develop the responsive secure website for Scotiabank Chile (desktop and mobile)
- Developed unique and elegant design solutions for complex display problems
- UI design focused around user centered design principles
- Developed rubric to evaluate our websites comparatively with our competitors

Research Assistant, Image Processing May to Aug. 2014
University of Waterloo, Waterloo, Ontario

- Extensive use of Matlab to perform complex calculations and operations with an emphasis on image processing
- Processed various remote sensing data provided by Environment Canada to accurately identify the location of sea ice and open water regions
- Applied filtering techniques to improve image quality and remove inconsistencies

Research Assistant, User Experience Sept. to Dec. 2013
Defence Research and Development Canada, North York, Ontario

- Assisted in the development of a psychology study on target cueing
- Developed a Java program to assess the efficiency of control room layouts

Performance Analyst, Control System Performance Jan. to Apr. 2013
Messier-Bugatti-Dowty, Ajax, Ontario

- Used MSC ADAMS extensively to simulate stresses on landing gear designs during take-off, in flight, idle, and landing operations
- Assisted with various tasks, research, and calculations for the R&D, mechanisms, and electrical departments

Manufacturing Process Student, Process Engineering May to Aug. 2012
Faurecia Automotive Seating, Bradford, Ontario

- Tracked the efficiency of processes in various production lines
- Developed a program in Visual Basic to take production line data and produce charts and graphs to highlight areas of improvement

Applications Developer, Website Development Sept. to Dec. 2011
Environment Canada, North York, Ontario

- Responsible for the administration of 10 Microsoft SharePoint websites
- Implemented a user friendly interface for the department's local website
- Developed a status update web application for the local website using HTML, PHP, Javascript, and SQL

COMPUTER SKILLS

Programming – HTML5, PHP, CSS, javascript, Angular JS, JQuery, SQL, C++, C#, Java, Matlab/Simulink, Python, VB, focus on user interface design

CAD - AutoCAD, Inventor, NX, Pro/ENGINEER, SketchUp

Graphics – Adobe Creative Suite, Gimp, Photoshop, Illustrator, Indesign

Microsoft Office - Excel, Outlook, PowerPoint, Visio, Word, Sharepoint

Statistics - Minitab

Stress Analysis - MSC Adams

Wireframing – Balsamiq, Axure, InVision

Front End Developer, Website development
900 Seconds of Fame, Etobicoke, Ontario

Jan. to Apr. 2011

- Lead front end website development role for a start up social networking website
- Used HTML, Javascript, PHP, and Photoshop to produce functional and aesthetically pleasing web interfaces
- Executed front end and back end quality assurance testing

REPRESENTATIVE PROJECTS

- User Experience Design for LEAP Chile (Scotiabank Chile secure website), *Scotiabank International* (2016)
- User Experience Design and Analysis for Hardware and Software Components, *Boogaloo Bunks* (2015)
 - Best Website Award (Mechatronics Symposium - \$500 award)
 - Most Innovative Design (Mechanical Symposium)
 - Norman Esch Entrepreneurship Award (\$10,000 Award)
 - Engineering Entrepreneurship Award (\$500 award)
- Sleep Stage Detection Using EEG Signals, *Biomedical Measurement and Signal Processing* (2015)
- Modeling 2-D Working Memory, *Simulating Neurobiological Systems* (2015)
- Automated Piano Tuning Device, *Systems Design Workshop 1* (2014)
- Determine Ice Concentration Using Remote Sensing, *University of Waterloo* (2014)

ADDITIONAL EXPERIENCE

Supervisor
Tim Hortons, Newmarket

Oct. 2007 to Aug. 2010

PORTFOLIO

Website
<http://www.christopherdavidong.com>

Muskoka Tourism Wireframes
Sitemaps – <http://jsiy6x.axshare.com>
Prototype – <http://g4l815.axshare.com>

Scotiabank (Chile) Wireframes
Pay a Bill flow - <http://hexyz7.axshare.com>
Manage Payees flow - <http://pkttty8.axshare.com>
Virtual Cards Flow - <http://c2yg72.axshare.com>
Pre-Approve Loans Flow - <http://f8mlua.axshare.com>

Scotiabank (Chile) Widget Libraries
Desktop - <http://kim2fq.axshare.com>
Mobile - <http://4459qw.axshare.com>