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| 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 |

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| **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*  **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* |  |  | **Education and Certificates**  **BASc (Systems Design Engineering),** HonoursCo-op ProgramMay 2015  *University of Waterloo, Waterloo*  **Work Experience**  **User Experience Designer,** User ExperienceFeb. 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 ProcessingMay 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 ExperienceSept. 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 asses 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 EngineeringMay 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 DevelopmentSept. 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   **Front End Developer,** Website developmentJan. to Apr. 2011  *900 Seconds of Fame, Etobicoke, Ontario*   * 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** Oct. 2007 to Aug. 2010  *Tim Hortons, Newmarket*  **Portfolio**  **Website**  [*http://www.christopherdavidong.com*](http://www.christopherdavidong.com)  **Muskoka Tourism Wireframes**  *Sitemaps –* [*http://jsiy6x.axshare.com*](http://jsiy6x.axshare.com)  *Prototype –* [*http://g4l815.axshare.com*](http://g4l815.axshare.com)  **Scotiabank (Chile) Wireframes**  *Pay a Bill flow -* [*http://hexyz7.axshare.com*](http://hexyz7.axshare.com)  *Manage Payees flow -* [*http://pktty8.axshare.com*](http://pktty8.axshare.com)  *Virtual Cards Flow -* [*http://c2yg72.axshare.com*](http://c2yg72.axshare.com)  *Pre-Approve Loans Flow -* [*http://f8mlua.axshare.com*](http://f8mlua.axshare.com)  **Scotiabank (Chile) Widget Libraries**  *Desktop -* [*http://kim2fq.axshare.com*](http://kim2fq.axshare.com)  *Mobile -* [*http://4459qw.axshare.com*](http://4459qw.axshare.com) |