N I C O L E ∙ G A U E R

Masters in Biomedical Engineering Bachelors of Applied Science in Computer Engineering

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| **WORK EXPERIENCE** |
| **Software Developer**, Perimeter Medical Imaging AI, Toronto, ON, March 2017 –  November 2020   * Full-stack software development for multiple generations of Perimeter’s core product (C++, Qt/QML, Boost, Git) * Greatly contributed to development and support of a Windows service and associated web portal for configuration (C#, ASP.NET, SQL, Angular2/Javascript, Git) * Translated design requirements into a fully documented and tested Windows configuration for   Perimeter’s core product   * Provided technical support for clinical staff, led internal product demos, and actively participated in SCRUM (Agile, Jira)   **Bioinformatics Developer**, The Hospital for Sick Children, Toronto, ON, September 2014 - December 2014   * Developed an internal Shiny web application for the visualization and analysis of available Medulloblastoma datasets (R, R Shiny, jQuery) * Collaborated with MSKCC developers to set up, and further develop an internal version of the cBioportal application (Java, jQuery) * Ran all Medulloblastoma datasets through the TopHat pipeline for realignment, and then subsequently passed the results through the iReckon method for detecting novel isoforms (Perl) * Set up a MySQL database which synchronized with the wet lab team's Filemaker Pro database of raw data   **Software Automation Engineer,** AppDynamics, San Francisco, CA, January 2013 - April 2013   * Worked towards automated load testing of the core AppDynamics .NET product, with tests being run on a combination of Amazon AWS instances and physical in-house machines (C#, .NET) * Developed an internal web application for the display of test results and performance metrics (C#, ASP.NET MVC, SQL, HTML, CSS, Javascript) * Set up 10+ separate Linux, and Windows based testing environments for different internal teams   **Software Developer**, ADFLOW Networks Inc., Burlington, ON, May 2012 - August 2012 and September 2011 - December 2011   * Developed 3 core modules, as well as a variety of custom controls, for a new iteration of the ADFLOW Content Management System (C#, ASP.NET MVC) * Utilized Moles detouring framework to implement unit and functional testing   **Web Application Developer**, Paralucent, Toronto, ON, January 2011 – April 2011   * Developed and tested a Drupal-based website to include the functionality of more than 75 modules * Completed thorough Quality Assurance Testing and wrote numerous test cases for client-use * Aided in the development of a financial web application, coded in ASP .NET using Telerikcharting and abcpdf technologies (C#, ASP.NET) |

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| **EDUCATION** |
| **Cybersecurity Foundations for Health Care Certification,** Center for Professional Development, Excelsior College, June 2018-Sept 2018  **Masters of Engineering,** Institute of Biomaterials and Biomedical Engineering, University of Toronto, Sept 2016 – Aug 2017   * Awarded the IBBME MEng entrance scholarship   **Bachelor of Applied Science**, Computer Engineering, Co-operative Program, University of Waterloo, Sept 2010 - June 2015   * Graduated with Distinctions, on the Dean's Honours List |
| **AWARDS AND EXTRACURRICULAR ACTIVITIES** |
| **Skating Instructor**, Evergreen Brickworks, Toronto, ON, December 2016 – March 2017   * Worked as an instructor on a small team that taught various levels of youth and adult skating classes   **Ritwika Bhattacharya Memorial Scholarship**, University of Waterloo, Waterloo, ON, January 2013   * Awarded to the top-ranking female student in their 2nd year of undergraduate Electrical or Computer Engineering   **President’s Scholarship of Distinction**, University of Waterloo, Waterloo, ON, September 2010   * Awarded to students with an entering average above 90% |