NICOLE · GAUER

Masters in Biomedical Engineering
Bachelors of Applied Science in Computer Engineering
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Toronto, ON

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)

EDUCATION

Cybersecurity Foundations for Health Care Certification, Center for Professional Development, <u>Excelsior College</u>, June 2018-Sept 2018

Masters of Engineering, Institute of Biomaterials and Biomedical Engineering, <u>University of Toronto</u>, Sept 2016 – Aug 2017
- Awarded the IBBME MEng entrance scholarship

Bachelor of Applied Science, Computer Engineering, Co-operative Program, <u>University of Waterloo</u>, Sept 2010 - June 2015
- Graduated with Distinctions, on the Dean's Honours List

AWARDS AND EXTRACURRICULAR ACTIVITIES

Skating Instructor, <u>Evergreen Brickworks</u>, 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, <u>University of Waterloo</u>, 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, <u>University of Waterloo</u>, Waterloo, ON, September 2010
- Awarded to students with an entering average above 90%