

Daniel LaFreniere

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○ Profile

I'm a second-degree student currently enrolled in my final year of computing at Queen's University. I'm excited to be a part of the Queen's community in Kingston while honing my programming skills and pursuing my passion for neural networks, application programming, and technology.

○ Education

Queen's University, Kingston, ON

BSc. in Computer Science (Second-Degree), Expected 2016

University of Alberta, Edmonton, AB

BA in Psychology (Cooperative Education Program) with Distinction, Graduated 2011

○ Skills

Programming Languages

Java; SQL; C; Python; Matlab; HTML; CSS; Javascript; PHP; .NET;

Highlighted Coursework

CISC 452: Neural and Genetic Computing

COGS 499: Honours Thesis: Predicting Chronic Disease Diagnosis from Electronic Medical Record Data Using a Multilayer Backpropagation Network (preliminary)

CISC 325: Human-Computer Interaction

CISC 282: Fundamentals of Web and Mobile Applications

CISC 332: Database Management Systems (Audit)

Applications

Eclipse; Drupal; Microsoft SQL Server; Adobe Photoshop CC; Adobe Illustrator CC; Visual Studio; SPSS; Excel

○ Work Experience

September 2015 - Present

Freelance, Kingston, ON

Web Developer

- Continued relations with various Queen's faculties from the summer in order to further maintain and configure their websites.
- Aided in the launch of several new websites and provided ongoing support to staff and volunteers in order to ensure the future success of their sites.
- Successfully obtained various new contracts based on previous work accomplished.

May 2015 - August 2015

IT Client Services & Web Development, Queen's University, Kingston, ON

Web Developer

- Performed website development and design using Queen's Webpublish (Drupal) and Photoshop CS5.
- Frequently coordinated with various clients in order to meet their needs while maintaining Queen's identity standards.
- Provided quality assurance and ensured accessibility standards were upheld throughout the development process.

September 2013 - December 2014

Alberta Hospital Edmonton, Edmonton, AB

Part-Time Research Assistant

- Programmed cognitive assessment tools with VB.NET and upgraded old systems that used deprecated software.
- Processed and analyzed MRI images retrieved from patients suffering from first-episode psychosis using a Linux-based cortical thickness analysis tool called FreeSurfer.
- Worked remotely from Kingston to collaborate with multidisciplinary teams from both Edmonton and Halifax in order to aid in research efforts.

May 2012 - August 2013**Alberta Hospital Edmonton, Edmonton, AB****Research Coordinator**

- Coordinated a research project aimed at the identification of abnormal genetic markers for schizophrenia via analysis of MRI images.
- Administered a range of neuropsychological assessment tests to patients suffering from severe mental illness.
- Performed data-analysis, patient assessment, research collaboration, and data acquisition to aid in the progression of neuropsychological research with the Edmonton Early Psychosis Intervention Clinic (EEPIC).

○ Volunteer Activities

2013-Present

Kingston Community Chaplaincy (KCC), Web-Administrator

2012-Present

Edmonton Early Psychosis Intervention Clinic, Research Assistant

○ Published Abstracts

May 2012 - August 2013**Alberta Hospital Edmonton, Edmonton, AB****Research Coordinator**

- Ayotte, B., Colman, I., LaFreniere, D., Robertson, R., Wild, C., Wolfe, J., & Purdon, S. E. *Psychological and medical prenatal events with dissociable effects on psychological health in late adolescence*. Canadian Psychological Association annual meeting. Canadian Psychology, 2012, 53 (2a), 128.
- Marcinkevics, D., Beierbach, A., Colman, I., LaFreniere, D., Wild, C., Wolfe, J., & Purdon, S. E. *Childhood life events increase risk of psychosis*. Canadian Psychological Association annual meeting. Canadian Psychology, 2012, 53 (2a), 235.
- LaFreniere, D. J., & Purdon, S. E. (2010). *Cognitive impairment in three subtypes of multiple sclerosis: A meta-analysis*. Canadian Psychological Association annual meeting. Canadian Psychology, 2010, 51 (2a), 8.

○ References

Available upon request