

Daniel LaFreniere

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○ Profile

I'm a recently graduated second-degree student from Queen's University. I feel fortunate to have spent the last three years of my life within the Queen's community in Kingston while honing my programming skills and pursuing my passion for neural networks, application design, software, and technology. I'm looking forward to a bright future in a field where I can solve challenging problems and constantly learn new things.

○ Education

Queen's University, Kingston, ON

BSc. in Computer Science (Honours in Cognitive Science) with Distinction, Graduated 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 235: Data Structures

CISC 365: Algorithms I (Audit - Unofficial)

Applications

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

○ Work Experience

September 2015 – April 2016

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

2013-2016

Kingston Community Chaplaincy (KCC), Web-Administrator

2012-2015

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