Jeremy Thompson

Charlottetown – PEI – Canada

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Current University of Prince Edward Island computer science major seeking to broaden my work experience within the field of software development by helping produce high quality and maintainable code.

Education

Bachelor of Science   **University of Prince Edward Island**
Computer Science Major, GPA - 4.2   *2015 – 2020*
Math Minor & Co-Operative Education Distinction

Relevant Work Experience

Product Management Intern   **Feb – Aug 2018**
Bosch Sensortec Gmbh. Reutlingen, Germany

- Collaborated with a seven person team to demonstrate a new use case for a mobile phone sensor by helping port an existing algorithm onto an Android device. This experience taught me about management in a professional environment, how to collect and store data properly, and the importance of documentation.
- Researched several existing visual inertial fusion algorithms in order to help develop an implementation that used the best aspects from each existing solution.
- Analyzed and compiled documentation about each of the various algorithms and presented them to my supervisor in various degrees of detail.

Research Assistant   **May – Aug 2017**
University of Prince Edward Island. Charlottetown, Canada

- Developed research skills in the area of machine learning / neural networks and their ability to learn complex repetitive movements with hopes of developing a physiotherapy or athletic training system. This research showed good potential and resulted in further research projects being completed, with a paper currently being written that highlights the results from my and other students work.
- Researched academic papers on neural networks, and studied various implementations to find one that would best suit our research needs. Worked independently for most of the summer, and compiled and presented what I had been working on to my supervisor several times a week.
- Presented results of this research at a student conference in August 2017.

Relevant Interests

Running   **Sept 2012 – present**

- Recreational runner since 2012, competitive runner since 2015
- Member of varsity cross country and track team at UPEI, 2017 cross country MVP

Data Visualization   **Sept 2015 – present**

- Reading about different methods of visualizing data is a hobby
- Familiar with the d3.js library

Problem Solving   **Sept 2017 – present**

- Member of UPEI's competitive programming team, competed at 2018 ICPC regionals
- Solved various programming problems as practice leading up to event

Programming Languages

Java
2015 − present
- Very skilled
- Programming language used throughout my undergraduate degree

C++
2017 − present
- Moderate skill
- Learned through exposure and reading / writing for Android native code base

Python
2017 − present
- Moderate skill
- Used in 2017 for research position, and currently for quick one-off projects

Other Skills & Qualifications

Git
Sept 2016 − present
- Comfortable with command line interface, GitHub Desktop, and TortoiseGit
- Manage development of my personal website, jhthompson.github.io, with git

Android Development
Sept 2016 − present
- Semester long course dedicated to building a single app from the ground up
- Worked within team of 3 to prototype ideas and work through problems

Scholarships & Awards

Prince of Wales College Scholarship
Sept 2015

Awarded to the student entering UPEI from a PEI high school who has been judged by the Scholarship Committee to best exemplify PWC's tradition of excellence. ($2000 per semester)

Bank of Montreal Undergraduate Scholarship
Sept 2017

Awarded to the student entering third year who achieves the highest aggregate in Computer Science based on a full course load in second year. ($1465)

Maximus Canada - Deltaware Division Scholarship
Sept 2017

Awarded to a student entering third year of the Computer Science Program who demonstrates innovative thinking, outstanding leadership, and a high achievement in software design and development. ($1000)

Mathematical and Computational Sciences Co-op Student of the Year
Sept 2017

Annual "Co-op Student of the Year" awards are given to students who have been nominated by their employers for outstanding performance on their co-op work terms.

Ambrose Kwok-Yau Lee of SDU '62 Scholarship
Sept 2018

Awarded to a full-time student proceeding to fourth year who stands highest in third-year Science. ($1000)

Academic All Canadian
2015 − 2019

Awarded to varsity athletes that maintain an 80% average with a full course load.

References

Kaustubh Gandhi
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Andrew Godbout
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