Sheldon Benard
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Education

Bachelor of Science, Mathematics and Computer Science; Minor: Statistics **September 2014 – December 2018**
McGill University, Montreal, Canada
- GPA: 3.96 / 4.00
- J. W. McConnell Major Renewable Scholarship, for excellence in grades, community service, and school activities
- 2015 Dean's Honor List, for being in the top 10% of the faculty's class of students for the 2014/2015 school year
- 2016 Faculty of Science Scholarship, for academic excellence

Alberta High School Diploma **September 2009 – June 2014**
St. Peter the Apostle Catholic High School, Spruce Grove, Canada
- Finished 1st out of 170 students
- KOC Georges P. Vanier Council 6349 Humanities Scholarship
- Governor General's Academic Medal, for the highest academic standing in the graduating class
- Mayor's Award, for highest combined average over three years of high school
- Evergreen Catholic Separate Regional School Division #2 Scholarship
- 1995 Summer Games Legacy Award, for leadership and displaying a pattern of involvement in scholastic activities

Languages

English (native), French (limited working proficiency)

Technical Skills

Programming Languages: Java, C, C#, Python, R, Bash, PowerShell, JavaScript, HTML, CSS, MIPS
Libraries, Frameworks: RabbitMQ, Django, Python: numpy, Python: scikit-learn
IDEs: Visual Studio, Eclipse, JetBrains (Webstorm, Idea, CLion), Jupyter, R Studio
Operating Systems: Windows, Unix, MacOS, Linux
Automation: Protractor, Cucumber, UFT, LeanFT, HP ALM, Jenkins, Selenium
Publishing Software, Collaboration: MS Office Suite, Confluence, LaTex, Git, GitHub, Agile Scrum, Rally
Current Coursework: Software Design (learning about UML), Database Systems (learning about SQL and relational databases), Applied Machine Learning (learning machine learning and data mining concepts)

Internship Experience

Software Developer Intern **January 2017 – August 2017**
General Electric Digital, Edmonton, Canada
- Developed E2E tests for the Enterprise Plant Insights product using Protractor and Cucumber, in JavaScript
- Built-up a LeanFT testing infrastructure, in C#, for the testing of the Production Management Software using a Page object model design pattern
- Explored Model-Based Testing, using GraphWalker, to automatically generate software tests and simulate various user behaviors
- Reduced functional test duration by deploying a REST endpoint that communicated with RabbitMQ directly (instead of using the RabbitMQ API)
- Utilized PowerShell and Windows scheduling to conduct longevity tests on the Enterprise Plant Insight application
- Conducted the daily Agile Scrum meetings for the Enterprise Plant Insights team and the Production Manager teams
- Awarded the Above and Beyond Award, for working overtime to ensure the prompt delivery of a product release

Programmer Intern **May 2016 – September 2016**
The Aquachronica Group, Edmonton, Canada
- Designed a stock analysis software, in Java and Python, that collected and maintained data for more than 7000 stocks and indices using the yahooFinance API and Selenium Browser Automation Webdriver and IDE, on 2 servers that communicated over a network
- Implemented, in C#, a deep Artificial Neural Network (several thousand input nodes) for forecasting purposes
- Utilized other API technologies (ex. World Bank API) to gather data on important global indicators for use in forecasting
- Created thorough documentation and manuals for the software

Projects and Extracurricular Activities

IT Consultant and Automation of Country Assignments   **January 2017 – December 2017**
Secondary Schools' United Nations Symposium (SSUNS), Montreal, Canada
McGill Model United Nations (McMUN), Montreal, Canada
- Developed a Country Assignment system that automated the assignment of hundreds of countries to delegates, reducing a 2-week manual procedure to an instantaneous process
- With SSUNS' Undersecretary-General Information and Technology, designed a new website front-end and integrated this front-end with the existing Django Framework back-end
- With McMUN's Undersecretary-General Information and Technology, discussed back-end options and provided advice for their website overhaul and new back-end

Undersecretary-General, Information and Technology   **January 2016 – November 2016**
Secondary Schools' United Nations Symposium, Montreal, Canada
- Responsible for designing the SSUNS' e-commerce website, the Secretariat email system, online invoicing, and log-in features
- Secured and maintained online records for delegations and all the technology used for the conference in November
- Designed the website front-end (HTML, CSS, JavaScript) and developed its back-end (Python: Django Web Framework)

Undersecretary-General, Information and Technology   **April 2016 – November 2016**
Mount Allison Model United Nations (MtAUN), Sackville, Canada
- Developed the MtAUN e-commerce website's front-end with HTML, CSS, and JavaScript
- Integrated the front-end with the Django Web Framework (written in Python) - to automate the invoicing process

Undersecretary-General, Finance   **January 2015 – December 2015**
Secondary Schools' United Nations Symposium, Montreal, Canada
- Responsible for all financial aspects of the United Nations Symposium, to ensure a successful conference
- Prepared 3 budgets (Spring, Summer, Fall) and had them approved by the IRSAM Board of Directors
- In charge of all delegation payments, individual reimbursements, and communicating with over 70 international schools and 11 delegates to ensure the financial success of the conference and to answer any questions
- Managed $110 000 in revenue and $90 000 in expenses for the SSUNS conference

Vice-President of Science   **September 2016 – December 2016**
Computer Science Undergraduate Society at McGill (CSUS), Montreal, Canada
- Acted as an intermediary between CSUS and the Science Undergraduate Society
- Represented the Faculty of Science's Computer Science student body and promoted their interests

Vice-President of Finance   **September 2014 – December 2016**
Freethought Association at McGill University, Montreal, Canada
- Responsible for creating the budget for the Freethought Association
- Provided the first ever funding in Freethought Association at McGill's history, to support Freethought initiatives on campus
- Participated in bi-weekly meetings, to discuss various topics and organize new activities on campus

Delegate Resource Centre Coordinator   **October 2014 – January 2015**
Secondary Schools' United Nations Symposium, Montreal, Canada
McGill Model United Nations, Montreal, Canada
- Managed a group of 24 Delegate Resource Staff, as well as Delegate Resource Centre merchandise
- Designed posters, sales, advertising, and merchandise, as to increase exposure and demand
- Utilized marketing and promotions to secure the first profitable SSUNS Delegate Resource Centre in several years
- Interacted with delegates and faculty advisors, to ensure their needs were being met
- Troubleshot printers and desktops, when technical issues arose