

Patrisha de Boon

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Engineering Co-op Program
University of Alberta

University of Alberta Academic and Co-op Status

Computer Engineering: Software, BSc Co-op	Class of 2021
Cumulative Grade Point Average	3.4/4.0
Completed Academic Terms	5 of 9
Completed Co-op Work Terms	3 of 5
Length of Next Work Term	8 Months

Educational Achievements

Nominated for PCL Student Leadership Scholarship	Summer 2019
Dean's Honour Roll	Winter 2017
President's Honour Roll	Fall 2016
Top Grade 12 International Baccalaureate Academic Student in LTCHS	2016

Work Experience

PCL, Edmonton, AB

Technical Solutions Analyst Student

Jan. 2019 - Sept. 2019

- Developed a C# Add-In for Autodesk Revit to extract data from 3D models to support tracking and visualizing design progression.
- Developed an ASP.NET Core website that used Autodesk Forge to extract version history from BIM 360 Docs and create an embeddable parameterized 3D model viewer.
- Created presentations to explain, demo, and discuss the Revit Add-In and the Forge Website to audiences of PCL employees both locally and through Skype.

University of Alberta, Edmonton, AB

Undergraduate Teaching Assistant for CMPUT 274/275 Sept. 2018 - Dec. 2018, Sept. 2019 - Apr. 2020

- Held office hours to assist students with course content which focussed on Python and C++

Alberta Computers For Schools, Edmonton AB

Youth Social Media Intern

Sept. 2018 - Apr. 2019

- Worked with HTML to add to the company website
- Managed social media accounts and pages on Facebook, Twitter, Instagram, and LinkedIn
- Developed marketing solutions to improve brand recognition for the organization

Computer Repair Technician

Apr. 2018 - Aug. 2018

- Installed and uninstalled hardware, operating systems, application software, and device drivers
- Diagnosed issues with hardware and software through research and manufacturer manuals
- Recycled equipment and re-purposed hardware from recycled systems
- Wiped and formatted hard drives

Computer Experience

- C#, ASP.NET, JavaScript, Java, Kotlin, C++, Python, HTML, MatLab, LaTeX, and Assembly
- Revit API and Forge OAuth, Viewer, and DataManagement APIs
- GitHub and Azure DevOps
- Ubuntu and Windows 7, 8, and 10
- Microsoft Office applications: Word, Excel, PowerPoint, and OneNote
- Assembly, disassembly, and repair of laptop and desktop computers

Volunteer Experience

- | | |
|---|-----------|
| • Volunteer Race Official For Timing And Scoring, NASCC, Edmonton, AB | 2019 |
| • Volunteer Event Coordinator, LTC High School, Red Deer, AB | 2014-2016 |
| • Volunteer Server, Loaves and Fishes, Red Deer, AB | 2014-2016 |

Additional Information

Extracurricular Activities

- Participated in the HackED 2018, 2019, and 2020 hackathons. Won 3rd place overall in 2018 with a team for creating a game using the SDL2 framework in C++.
- Participated in the University of Alberta Problem Solving/Programming Contest Club (UAPC), and attended multiple Programming Contests with UAPC
- Participated in the HackED Beta hackathon in 2017

Hobbies

- Develop and practice coding related skills through projects in and out of classes. More information about these projects is available at <https://patrishia-de-boon.github.io/portfolio>
- Enjoy tabletop, console, and PC gaming
- Enjoy bouldering and indoor rock climbing

Other

- Class 5 driver's license with clean driver's abstract
- Completed 4 years of High School Spanish
- Participated in a Spanish Exchange program in 2015/2016

References Available Upon Request