

Patrisha de Boon

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Engineering Co-op Program
University of Alberta

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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

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| 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, WCMA, 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