

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	3.3/4.0
Completed Academic Terms	7 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 IB Academic Student in LTCHS	2016

Work Experience

Technical Solutions Analyst Student
PCL, Edmonton, AB Jan 2019 - Sep 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 APIs 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.

Undergraduate Teaching Assistant for CMPUT 274/275
University of Alberta, Edmonton, AB Sep 2018 - Apr 2020

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

Youth Social Media Intern
Alberta Computers for Schools, Edmonton, AB Sep 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

Computer Repair Technician
Alberta Computers for Schools, Edmonton, AB 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

Computer Experience

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

Volunteer Experience

Race Official, Timing And Scoring
NASCC, Edmonton, AB 2019

Volunteer Event Coordinator
LTCHS, Red Deer, AB 2014-2016

Volunteer Server
Loaves and Fishes, Red Deer, AB 2014-2016

Extracurricular Activities

- Participated in every Hacked hackathon since 2018. Won 3rd place overall in 2018 with a team for creating a game using the SDL2 framework in C++
- Participated in the UofA Problem Solving Club, and attended multiple Programming Contests with this club
- Participated in Hacked Beta 2017

Hobbies

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

Other

- Class 5 drivers' license with clean abstract
- Completed 4 years of High School Spanish
- Participated in an Exchange program to Spain in 2015/2016

References

Available Upon Request