

Rush Patel

Software Engineer

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TECHNICAL SKILLS

Languages C++ (intermediate), C, HTML, CSS, C# (prior experience), Java (beginner)

Software Development Object-oriented programming, Agile, Scrum, Debugging, Testing, Linux, Git

Database Development

SQL (prior experience), Data modeling, Data validation, Data processing

Computer Science

Data structures, Algorithm design

EDUCATION

Bachelor of Science, Computer Science

University of Lethbridge 🌐

09/2017 – Present

Lethbridge, Alberta

- ▣ Courses: Software development, Data structures, Computer architecture, Algorithms in facility location.

Diploma, Information Technology (Honours)

Lethbridge College 🌐

09/2015 – 04/2017

Lethbridge, Alberta

- ▣ Courses: System analysis and design, Intro. to Algorithms, Web development, Operating systems, Programming I & II

PROJECTS

Online Portfolio (06/2019 – Present) 🌐

- ▣ Designed and developed a portfolio webpage using HTML, CSS, Bootstrap on top of GitHub Pages.
- ▣ Implemented developed a clean and accessible user interface using modular code for the end-user experience.
- ▣ Researched popular/trending websites and designed a prototype based on best features.

Quantum gates and complex vector calculating application (02/2019 – 03/2019) 🌐

- ▣ Utilized virtual qubits with various matrices to simulate basic quantum gates and Deutsch's algorithm.
- ▣ Defined and developed various feasible features to perform complex vector/number arithmetic and manipulations.
- ▣ Developed a friendly command-line user interface with C++ and Visual Studio for the end-user experience.

Genome Interpreting Application (09/2017 – 04/2018)

- ▣ Designed and developed front-end user interface by leveraging C# and windows forms on Mono (cross-platform, open-source .NET framework).
- ▣ Designed and developed back-end by implementing PostgreSQL database from proposed data models on a local Linux machine.
- ▣ Conducted weekly meetings to track progress and make necessary changes per user assessment.

Clientele Information Application (04/2017 – 06/2017)

- ▣ Designed and developed front-end user interface by leveraging C# and windows forms on the .NET framework.
- ▣ Designed and developed back-end by implementing MySQL database from proposed data models on a remote Linux server.
- ▣ Conducted multiple weekly meetings and executed iterative releases of the application based on user assessment.

WORK EXPERIENCE

Beta Software Quality Student

BlackBerry 🌐

05/2019 – Present

Waterloo, Ontario

- ▣ Identified and investigated potential bugs from software logs to accurately report software defects.
- ▣ Collaborated with the data science team to enroll and support 20+ beta testers in a machine learning project.
- ▣ Leveraged JIRA ticketing management system to manage incoming issues found during beta testing.

Key Achievement: Executed each bug report to resolution with positive user feedback for improving the quality of BlackBerry products.

WORK EXPERIENCE

IT Support Technician

Agriculture and Agri-food Canada 

08/2018 – 10/2018

Lethbridge, Alberta

- Provided tier 1 support by diagnosing and resolving software and hardware incidents.
- Imaged and deployed 100+ computers in accordance with AAFC policies.
- Delivered exceptional customer service with excellent interpersonal communication.

Key Achievement: Executed windows 10 migration project within a limited time frame for improving user productivity and accessibility.

System Analyst / Software Developer

Career Transitions 

04/2017 – 06/2017

Lethbridge, Alberta

Career Transitions is a non-for-profit that improves the school-to-work transitions for youths of Southwest Alberta.

- Leveraged cutting-edge software and agile development model for modernizing the legacy system, thereby more than doubling the user's efficiency.
- Identified potential improvements in a business process and provided technical expertise and recommendations to achieve it.
- Defined user requirements, software features, and various project estimations such as profits, costs, and development time.

Key Achievement: Spearheaded the automation of a manual business process by designing and developing a clientele information application, for reducing labor costs while increasing access to valuable information.

SOFT SKILLS

- > Strong analytical and problem-solving skills
- > Strong interpersonal and communication skills
- > Strong organizational, triaging and multi-tasking skills
- > Excellent customer service skills
- > Motivated and resourceful team player
- > Proactive work ethic

AWARDS

Jason Lang Scholarship (11/2018)

University of Lethbridge

- Awarded for outstanding academic achievement, a minimum Grade Point Average of 3.2 on a 4.0 scale.

Post-Diploma Entrance Scholarship (09/2017)

University of Lethbridge

- Awarded to students entering the University for the first time and admitted as College Diploma applicants with a minimum cumulative GPA of 3.5 for scholarships and 3.0 for awards.

Jason Lang Scholarship (11/2016)

Lethbridge College

- Awarded for outstanding academic achievement, a minimum Grade Point Average of 3.2 on a 4.0 scale.

Avail CPA Annual Scholarship (09/2016)

Lethbridge College

- Awarded to a Computer Information Technology student who has demonstrated academic excellence.

VOLUNTEER EXPERIENCE

BlackBerry (07/2019 – 07/2019)

Summer Picnic Volunteer

Volunteer Lethbridge (09/2017 – 12/2017)

Staff Support

Extencicare Health Services, Inc. (07/2014 – 08/2014)

Staff Support

Canadian Diabetes Association (06/2014 – 06/2014)

Fundraiser

Chinook Regional Hospital (07/2013 – 08/2013)

Youth Pursuing On-going Development and Success

Chinook Regional Hospital (06/2011 – 05/2013)

Ice-Water Delivery

INTERESTS



Arduino Projects



C++ Programming



Problem-solving



Algorithm Design



Photography



Karaoke