Rush Patel
Software Engineer

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🏛 Education

2017 - Present **B.Sc.** in Computer Science (Co-operative education program), University of Lethbridge.
- Awarded Jason Lang scholarship (2018).
- Awarded post-diploma entrance scholarship (2017).

2015 - 2017 **Diploma** in Information Technology, Lethbridge College.
- Graduated with highest distinction.
- Awarded Jason Lang scholarship (2016).
- Awarded Avail CPA annual scholarship (2016).

☰ Competencies

Programming Languages	C, C++, C#, Python
Database Management Systems	MySQL, PostgreSQL, Microsoft SQL Server
Integrated Development Environments	Microsoft Visual Studio, Visual Studio Code, Atom, Xcode
Software Development	Agile software development (Scrum), Procedural, object-oriented, and functional paradigms, Debugging, Unit testing
Fundamental Concepts	Data structures, Algorithm design

➕ Soft Skills

- Able to deliver excellent customer service with great written and verbal communication
- Organizational, triaging and multi-tasking skills
- Analytical and problem-solving skills.

💼 Work Experience

May 2019 Present **Beta Software Quality Student**
BlackBerry, Waterloo, Ontario
- Utilized JIRA ticketing management system to track bug reports, liaise with users, and delegate defects to appropriate teams on a daily basis.
- Analyzed and reported root causes of bugs on BlackBerry apps and devices through log analysis and testing.
- Coordinated small-scale internal projects by liaising with key stakeholders.
- Developed prototypes of potential ideas.

JIRA | Outlook | BlackBerry Applications | Arduino | C++ | HTML | CSS

August 2018 October 2018 **IT Helpdesk Technician**
Agriculture and Agri-food Canada, Lethbridge, Alberta
- Ensured that each computer was installed with an appropriate image.
- Provided standard and approved hardware/software support and maintenance.
- Installed computer equipment, diagnosed problems, installed software, updated patches, and performed tests.

Windows Easy Transfer | Shell Script

April 2017	**System Analyst and Developer**
June 2017	Career Transitions, Lethbridge, Alberta

- ❯ Developed a fully functional desktop application with using agile software development model to allow data entry and perform custom queries on a database based on selected criteria.
- ❯ Developed various system proposals which defined the problem, project objectives, budget, and entity relationships.
- ❯ Implemented MySQL database based on an entity-relationship diagram.

`Microsoft Visual Studio` `MySql` `C#` `SQL` `Microsoft Visio` `Microsoft Project`

🖥 PROJECTS

September 2017	**Genome Interpretation Database**
April 2018	University of Lethbridge, Lethbridge, Canada

- ❯ Developed a user interface using .Net Framework to send dynamic queries, and allow data entry/file uploading from end-users.
- ❯ Implemented a PostgreSQL database for genome interpretation based on an entity-relationship diagram.

`Microsoft Visual Studio` `PostgreSQL` `C#` `SQL` `Microsoft Visio` `Linux`

April 2017	**Client Information Database**
June 2017	Career Transitions, Lethbridge, Alberta

- ❯ Developed a fully functional desktop application using C# to allow data entry and perform custom queries on a database based on selected criteria.
- ❯ Performed substantive analysis of an outdated system, and proposed new solutions based on the business requirements.
- ❯ Implemented a MySQL database based on an entity-relationship diagram.

`Microsoft Visual Studio` `MySql` `C#` `SQL` `Microsoft Visio` `Microsoft Project`

September 2016	**Bandwidth Accounting System**
April 2017	Whipcord, Lethbridge, Alberta

- ❯ Developed a user-friendly web application to view client bandwidth overage from calculated Net-flow data using Nginx web server, Ruby on Rails framework, and PostgreSQL database.

`Nginx` `Ruby on Rails` `PostgreSQL` `Ruby` `SQL`

🚀 INTERESTS

- ❯ Tinkering with Arduino kits and various sensors.
- ❯ Creating prototypes.
- ❯ Discovering the unfamiliar methods and techniques of C++ syntax.