**Z\*\*\*\*\*\*\* LU** [https://github.com/\*\*\*\*\*\*](https://github.com/HumphreyLu6)

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**PROFILE SUMMARY**

Dedicated graduate solution-oriented computer scientist well-versed in software development, data science, and project management. Solid knowledge of software development, as well as utilizing frameworks and libraries for developing high-quality applications. Seeks to leverage skills and expertise in an entry-level cloud computing role within big tech companies.

**TECHNICAL PROFICIENCIES**

**Languages:** Python, C#, Java, SQL, C/C++, JavaScript, HTML, CSS.

**Database Management:** SQLite, MySQL

**Tools/Technologies:** OS, Shell/Scripting, Git, Pytorch, OpenGL, Machine Learning, Django, Flask, React, TCP/IP

**EDUCATION & ACHIEVEMENTS**

**University of Alberta 09/2016 – 04/2020**

**B.Sc. in Computer Science (GPA:3.5)**

Faculty of Science Undergraduate Scholarship (2018)

Dean’s Honour Roll (2018,2019)

**CORE COMPETENCIES**

* Software Application Development
* Database Management
* Robotics & Programming
* Project Management
* Team Collaboration
* Testing & Debugging
* Architectural Designs
* Distributed System
* Cloud Computing

**WORK EXPERIENCE**

**Hole School of Construction Engineering, Edmonton, Alberta 01/2019 – 08/2019**

Software Developer Intern

* Demonstrated expertise in designing and developing Windows platform applications for civil engineering solutions using .NET and C#
* Played key role within a team of 8 responsible for gathering requirements, evaluating and modifying project designs while implementing process improvement initiatives and solutions
* Leveraged skillset in analyzing pull requests, testing new features, and fixing bugs

**PROJECT EXPERIENCE**

**SpongeBook**

* Conceptualized and developed a distributed web-based social networking application using Django Rest Framework and MVT pattern
* Stellar record in designing and implementing web interfaces with JavaScript library React, Ant Design, HTML and CSS
* Completed the deployment phase on the Heroku platform

**FrameX (Windows App)**

* Consistently met and exceeded clients’ expectations through initiating object-oriented design concept in designing projects solutions
* Utilized C# and .NET for programming functions and JSON for saving data after serialization
* Built add-ons for Autodesk Revit, experienced with Building Information Modeling(BIM) geometry

**MedicalTracker (Android App)**

* Partnered with a team of 5 to design and develop an android application using Java
* Employed the use of Google Maps API provided by Google Cloud Platform for implementing location features and functions
* Accomplished in using Elasticsearch search engine for querying information while storing data on an HTTP web interface

**Classification and Bounding Box Detection on MNISTDD**

* Proven success in using Pytorch for training VGG and Fast RNN related neural networks with 60000 images from MNISTDD dataset on Google Colab GPU
* Achieved a classification accuracy of 98.87% and bounding box detection of 88.42%