ZHONGHAO LU

Edmonton, Canada
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EDUCATION

University of Alberta, Canada *September 2016 - April 2020*
BSc with Specialization in Computing Science GPA: 3.5
Dean's Honour Roll (2018, 2019)
Faculty of Science Undergraduate Scholarship (2018)

TECHNICAL STRENGTHS

Programming Languages	Python, Java, C#, C, C++, JavaScript, HTML, CSS
Database Management	SQL, MySQL
Web Development	TCP/IP, Django, React, Flask, Heroku
Tools & Technologies	Shell/Scripting, Git/GitHub, Pytorch, OpenGL, OpenCV

WORK EXPERIENCE

Hole School of Construction Engineering, Edmonton *January 2019 - August 2019*
Software Developer Intern

- On-site internship with Agile development processes, consistently met clients expectations through initiating Object-Oriented Design concepts and MVC patterns in designing projects solutions
- Developed Windows platform applications for civil engineering solutions using .NET and C#
- Leveraged skillset in analyzing pull requests, testing new features, and fixing bugs
- Gathered requirements, evaluating and modifying project designs while implementing process improvement initiatives and solutions

PROJECTS

SpongeBook (Web App)

- Conceptualized and developed a distributed web-based social networking application using Django Rest Framework and MVT pattern
- Designed web interfaces with JavaScript libraries React, Ant Design
- Implemented RESTful APIs with authentication and permission functionalities, applied Unit Tests on endpoints thoroughly
- Utilized Travis CI to build and test pull requests automatically, completed the auto-deployment phase on the Heroku platform

FrameX (Windows App)

- Utilized C# and .NET for programming functions and Json.NET for serialization/deserialization
- Optimized user interactive interfaces and functionalities
- Built extensions 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