Dexter Zhang

Computer Science graduates

Experience

2016-05 - 2016-08

GUI Application Developer
Nova Mining Exploration Solutions
- Design independent parser for borehole data viewer, improve and optimized the user interface for clients to view the DC and IP plots separately
- Redesigned GUI application for dcip2d tools in C++, smooth the workflow for clients to access all tools within the application
- Simulate 3D modeling as DCIP3D with features of long section in OpenGL by using ClipPlane
- Convert multiple frequencies into multi-channel plots use Qwt library, significantly reduce the workload

Projects

2016

Database server with CRUD in HTTP by Node.Js
- Loosely coupled database and JavaScript web application packed in Docker
- Enhance the performance for creating connections for user by using connection pool

2016

Doodle Painter by Java
- separate the responsibility of each module in the program by using model-view-controller principle
- adapt different sizes of window for tool accessibility by using dynamic layout
- enable saving and loading in format other than Java FileStream

2016

Photo viewer by Java
- Separate responsibility of model and view by using MVC design
- filter picture by change rating of each picture and filter rate
- enable user to change the view of the picture panel

2014

Rogue-like game in C++
- Using decorator pattern to implement all item and monsters in the game
- Derived all sub-class from a super class to be able to easily manage all objects

Education

2014-01 - 2017-12

University of Waterloo
Bachelor of Computer Science
- Major coursework include Algorithms, Data structures, Object Oriented Programming, Operating System, User Interface and TCP/IP protocol

Personal Info

Address
253 Albert St
Waterloo, ON, N2L0G3
CA

Phone
5195744159

E-mail
Dexter_zhang@live.com

Date of birth
1993-12-08

LinkedIn
https://www.linkedin.com/in/yan-zhang-3857039a/

Skills

C++	Proficient
Java	Proficient
C	Proficient
Python	Proficient
JavaScript	Intermediate

Frameworks

OpenGL, Node.Js

Tools

Git, Mercurial, Latex, MySQL, Linux, Visual Studio, Qt