Siyuan(George) Huo

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**SUMMARY OF QUALIFICATIONS**

• Recent graduate with a B.Sc. degree in Computer Science and Mathematics looking for Software Developer opportunity

• Experience with Analysis, Design, development, configuration, testing, support and documentation in the entire stage of Software Development Life Cycle (SDLC)

• Solid knowledge of Data Structure, Algorithm Design, and Object Oriented Programming

• 5 years of Python and 4 years of Java hand-on development experience on both Linux and Windows environment

• Self-learned Front-end development skills and tools such as HTML, CSS, JavaScript

• Solid understanding of artificial intelligence theory and participated in development of machine learning program

• Experienced in database establishment, administration and query on PostgreSQL server

• Well trained in working on diagnosing and troubleshooting bugs/exceptions and make complete deliverable

**EDUCATION**

**Bachelor of Science** (Computer Science & Mathematics), University of Toronto Graduated Jan 2020

**Relevant Courses**:

Machine Learning & Data Mining, Algorithm Design & Analysis, Artificial Intelligence, Databases, Data Structures and Analysis, Software Tools & Systems Programming, Software Design, Statistics with Applied Probability

**SKILLS**

**Programming Languages**: Python, Java, SQL, JavaScript, HTML, CSS, Racket, Haskell, C

**Operating System**: Win 10, 7, xp, iOS, Linux

**IDE & Tool**: Eclipse, Spider, Visual Studio, VS Code , Anaconda2, Git, MySQL, PostgreSQL

**WORKING EXPERIENCE**

**Technical Support ,** Harbin Municipal Engineering Design Institute Jul 2017 - Nov 2017

• Installed, configured and updated software and hardware of working station, process daily maintenance

• diagnose and repair system faults, configured web environment and resolve network issues

• Assisted with mapping, texture material collecting and 3d model rendering

• Assisted with data analysis and data visualization using Excel

**PROJECT EXPERIENCES**

**Personal Website** Nov 2020

• Created website layout and user interfaces by using HTML/CSS, added interactive behaviour to the page with JavaScript

• Hosted on github, constantly maintained and expended the website

**Machine Learning Program** Sept 2018 -Nov 2018

• Programmed ML functions with multiple methods(linear regression, logistic regression) and trained with mass of data

• Analyzed and visualized time complexity and loss with sci-py num-py framework to deliver a visible presentation

**Gaming A.I. Player Program** Jun 2018

• Designed and implemented algorithms with different methods and applied them to the given A.I. program

• Ran the A.I. program to play multiple games, recorded, analyzed and compared efficiency of different methods

**Java Drawing Board Program** Sept. 2016 - Nov 2016

• Cooperated with the team, reviewed and analyzed requirements to clarify the objectives and final deliverable

• Design and implemented user interface with Java Swing toolkit, assisted with coding drawing tools

• Responsible for building a saving-loading system using Regex(regular expression) that can convert a picture into text file and recover the picture

• Assisted with organizing regular meeting in order to make clear the development progress of each member