

YEWIN SHU

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621 Elmwood street
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QUALIFICATION HIGHLIGHTS

- Attended 2020 North America Major League Hackathons (MLH);
- Designed and implemented full-stack web application for a technology company;
- Presented SMART home furniture prototype at UXD conference in China;
- Self-taught to proficiency in AI and neural network design.

EDUCATION

Queen's University, Ontario, Canada	2016-Expected in May 2021
Bachelor of Computing (Diploma with Honors)	GPA: 3.9/4.3 (2019-2020)

Related Coursework: Algorithm Design, Software Design, Operating Systems, Data Structures and Analysis, Introduction to Databases, Programming on Web, Human-Computer Interaction, Neural networks.

AWARDS AND SCHOLARSHIPS

2019-2020 Fall//Winter Session- Dean's list Scholar in Faculty of Arts and Science, cumulative **GPA of 3.5 higher**, high academic achievement, Queen's University

PROJECT HIGHLIGHTS

Administrative Database for *Experiential Learning Program*(Co-op) Sept.2020 – present

- Acted as a team leader and worked with a team of four in developing a intuitive and user friendly front-end user interface;
- Developed an easily accessible database for Queen's health and science Experiential Learning Program. The database included information about meeting schedules, patience information, and session reports;
- Designed database using HTML, Bootstrap CSS frame, PHP, JavaScript and SQL queries;
- Allowed databased to be easily accessed from Windows and IOS system as well as compatible with existing University servers.

Artificial Intelligence and Neural Network Construction *Sept. – Dec. 2019*

- Successfully implemented training algorithm in multilayer neural network for classifying handwritten characters using Python and C++;
- Comprehended and organized training dataset and corresponding label dataset;
- Innovatively integrated TensorFlow (with Keras) with Google Collab environment for training and testing;
- Explored built-in libraries for creating a perception, train, and test model.

Full stack online banking system development Sept. – Dec. 2019

- Acted as project leader to coordinate team members with different skill sets;
- Created a full-stack online banking system prototype that monitors transactions;
- Adopted black box and white box testing methods to cover testcase and performed 100% code coverage using java (1000+ lines).

Human Computer Interaction (HCI) Design*Jan.- Feb. 2019*

- Worked and communicated with software engineers on the construction of smart furniture system prototype which involved the use of MYO Armband and Raspberry Pi;
- Created an embedded system program that allow the use of gestures to give commands to household application devices such as smart locks and lights;
- Gained experience working and designing circuit panel that included all the functionalities of smart furniture.

Construction of Business Analysis Tool*Sept. – Dec. 2018*

- Completed a business analysis toolbox for performing error analysis and automating the error comparison graph plotting process;
- Gained strong experience in the implementation of PCA using MATLAB.

PROFESSIONAL WORK & INTERNSHIPS

Business Assistant Intern, Huaxia Hanhua Chemical Equipment Corp. (Member of ChemChina)*Summer 2017*

- Self-taught HTML, CSS, and PHP, and participated in development of company website;
- Participated in a team of six in developing new financial management software;
- Developed company procedures and guidelines for data analysis and security which were reviewed and approved by senior leadership team;
- Documented organized, planned, launched, and led an entire project of pipeline supply for an external customer and was responsible for translation (Chinese to English) of all communication documents.

Web Application Developer, FUDAZHIHUI corporation*Summer 2019*

- Responsible for editing, writing, and designing all website content, and directing team members to review web applications;
- Reviewed code to ensure it met industry standards, was valid, properly structured, and compatible with necessary browsers, devices, and operating systems. Gained experience in designing enterprise-level website structure with full stack web application.
- New website design helped improve page views by 20% by the end of the season.
<https://www.fudacorp.com/index.html>

ACADEMIC & EXTRA-CURRICULAR INVOLVEMENT

North America Major League Hackathons (MLH), Rookie Hack*Summer 2020*

- Participated in IDEAHACK 2020 organized and hosted by Starmind;
- Effectively coordinated team of 4 to designed and implement a mobile app using MangoDB, Node.js, and React.

International UXD (Artificial Intelligence) Career Fest

Summer 2018

- Presented a self-designed SMART home furniture prototype;
- Communicated with other participants on ideas and plans for the future.

TECHNICAL SKILLS

Artificial Intelligence: TensorFlow, Google Colab

Opensource Platform: Github

Microsoft Office: Experienced in Word, PowerPoint, Excel, and Access

Programming Languages: Java, JavaScript, Python, R, HTML, CSS, C++, PHP, SQL, MATLAB, Prolog

Operating Systems: MacOS, Linux, Windows 10/9/7, Raspberry-pi

Database systems: MySQL, MongoDB

SOFT SKILLS

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|-------------------|----------------------------------|
| • Communication | • Ability to work under pressure |
| • Decision making | • Time management |
| • Self-motivation | • Conflict resolution |
| • Leadership | • Adaptability |

REFERENCES

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