Zhiyuan Wang

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SKILLS

- Proficient in coding languages and database management languages, including Racket, C ++, C, Python and SQL.
- Understand the basic principle of the assembly language.
- Adept at working in team environments both professionally and casually with working knowledge of Git.
- Rich experience in the deployment of open source software, such as WordPress, NextCloud, etc.
- Familiar with Linux shell and Bash scripts through a programming course in school.
- Familiar with office software and multimedia software, such as MS Office, PS, PR, AE, etc.
- Extremely fast at learning new programming languages and concepts and often helps classmates understand them

EDUCATION

University of Waterloo   *Sep 2016 - Aug 2020*
Computational Mathematics

WORK EXPERIENCE

University of Waterloo   *Sep 2019 - Present*
Operator , Information Systems and Technology

- Responsible for operating and maintaining departmental information system equipment
- Provide technical support to other departments

Canada-Zibo No.11 Secondary School   *May 2018 - Jul 2018*
Staff , International Department   *Zibo*

- Responsible for the promotion and operation of the school WeChat subscription account, using various typesetting tools to design and produce tweet content, used to promote learning activities and enrollment information, etc.
- Register and certify Microsoft Office 365 Education Edition service, deploy Active Directory on campus, train teachers and students to use Office 365 and SSO single sign-on.

VOLUNTEER EXPERIENCE

Information Systems/Technical Advisory Board   *Jan 2019 - Apr 2019*
Member   *University of Waterloo*

- Responsible for the experience/investigation/summary/feedback of the information system on the university campus, including but not limited to campus WiFi coverage, student email, cloud printing, educational administration system, etc.
- Find potential information security threats and help promote the use of campus information services.

Website Hosting/Maintenance   *May 2017 - Present*

- Canada-Zibo No.11 Secondary School Graduation Ceremony Video Website
  - Building a website based on Grav CMS for the release and sharing of graduation video
  - Developed a PHP script redirect visitor to the nearest node based on their location to achieve high-speed global access
- Website for Beijing Chance Education Technology Ltd., Co
  - Based on ChanZhi CMS, designed and built the company website.
  - Responsible for daily operation and maintenance of the server ensures that the website accessible all the time.

PROJECT EXPERIENCE

Catan Universe - Multiplayer Board Game

- Write the game Catan Island - a board game - based on C++ language development.
- Designed the software using Object-Oriented Programming and worked in a team of 3 using Git.
- Utilized many design patterns such as Inheritance, Decorator, Visitor and MVC with over 5000 lines of code.
- Featured many complicated design elements such as builds, upgrades, dices and activated effects.
- Completed the project within 2 weeks and playable on the command line while scoring 96% on the assignment.