# Zedong(Russell) Xun

Phone: **(+1) 7753898019**| Email: **rhsiun@gmail.com**

## Education

08/2018 – 05/2022      **Washington University in St. Louis (Junior)**      B.S.,   *Major in Computer Science*            GPA: 3.8/4.0

**Coursework:** Analysis of Algorithms, Video Game Development, Rapid Prototype Development and Creative Programming, Web Development, Machine Learning, Computer Security, Mobile Application Development, Object-Oriented Software Development Laboratory, Data structure and OO Design, Modern Algebra, Number Theory and Cryptography, Real Analysis, Lebesgue Integration etc.

## Work Experiences

### 07/2020 – 09/2020   *Software Engineer Intern*   Yongyou Network Technology   Chengdu, China

- Interned at the ERP (Enterprise Resource Planning) department to improve system functionalities specifically designed for each client.
- Tested and fixed bugs that occurred during system software implementations for companies.
- Programmed and involved in the design process of how to develop an effective ERP software using java.

### 12/2019 – 04/2021   *CSE 330S Teaching Assistant*   Washington University in St. Louis   St. Louis, MO

- Tutored CSE 330S (Rapid Prototype and Creative Programming). Held tutor hours during class times and office hours every week.
- This course is a rigorous programming course where students get intensive programming experiences with approximately 18+ hours a week to develop websites using development tools such as php, JavaScript, MySQL, vue.js, etc.

### 04/2018 – 06/2018   *Software Engineer Assistant*   Tesla Gigafactory 1   Reno, NV

- Worked in a team improving algorithms of faster routes for delivery robots in the factory.
- Finished an official report through data collections and analyses of the company current funding issues.

### 06/2019 – 08/2019   *Audit and Consultant Intern*   Deloitte         Chengdu, China

- Audited in an IPO on HitGen Inc., a local startup biological technology company, to be listed on stock market.
- Exemplified the total income, profit, and loans that company has generated in the past year by generating data analysis using computer science.

## Personal/Technical Projects

- Constructed an **online chatroom** service supports chatting, adding friends, creating chatrooms, remove users as chatroom owners, etc.
- Designed a **file sharing website** (Google Drive) supports uploading, viewing, and deleting files associated with various users using MySQL, html, and php. http://ec2-18-209-14-106.compute-1.amazonaws.com/~zxun/module2_group/login.html
- Implemented a **news sharing site** (Twitter) where users can register, login, post, comment, and like posts, etc using MySQL and php.
- Programmed an **online calendar** that allows users to add and remove events dynamically and share events with other users using MySQL, AJAX, and JavaScript. https://wustlcse204.github.io/10-final-project-zedong-russell-xun/
- Developed a **movie search android application** where users can register, login, search for trending movies, watch trailers, etc using firebase as database and Kotlin (Java) as development language.
- Created a **blackjack android game application** where users can play blackjack with animations and keep their game results on a ranked list to compete with other users. This was done through firebase and Kotlin programming.
- Contrived a **RPG 2D game** using **Unity Engine** where players can react with the settings, battle with monsters, experience the storyline.
    - https://rhsiun.itch.io/hey-kong
- Finished a **First-person Unity 3D game** using **Unity Engine** where players need to survive on an island built with Unity terrain. Players can interact with the objects and NPCs in the game in order to finish tasks and escape from the island. https://rhsiun.itch.io/islandescapetestv3

## Technical Skills

- **Tools:** Android Studio, Vi/Vim, Eclipse, VS code, Command Line, GitHub, MATLAB, Unity
- **Programming Languages:** Java, C++, HTML5, PHP, Python, Bash Script, Java Script, Kotlin, R, MySQL, C#

## Activities

2016. 12 - 2018. 03        **Robotics Team**               *Captain*

- Led and designed robots for Sage Ridge School at the First Robotics Competition and won championship among all teams in Nevada in 2018.