

Tianqi Wu

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EDUCATION

Washington University in St. Louis | St. Louis, MO

Expected Graduation: May 2022

First Major: Bachelor of Science in Computer Science

Second Major: Electrical Engineering Science **Minor:** Robotics

Cumulative GPA: 4.0/4.0 | Dean's List Fall 2018 through Spring 2019

Relevant Coursework: Data Structures and Algorithms, Parallel Computing, Software Development

Ongoing Coursework: Cloud Computing, Mobile Application Development, Probability and Statistics

TECHNICAL STRENGTHS

Languages: Java, JavaScript, C++, Python, HTML, CSS, SQL, PHP, Swift, Bash | Chinese, English, Spanish

Tools and Operating Systems: Linux, Eclipse, Visual Studio, Git, phpMyAdmin, Windows, MacOS

PROFESSIONAL EXPERIENCES

Teaching Assistant, McKelvey School of Engineering

Aug 2019 – Present

- Cooperated with a professor for Object-Oriented Software Development Laboratory (CSE 332S)
- Manage TA hours and discussion forums to help students on assignments and studios
- Assist students with debugging and course content
- Grade assignments, studios and exams with in-depth feedback

Engineering Tutor, McKelvey School of Engineering

Aug 2019 – Present

- Tutor 3-4 students per semester on previously taken courses
- Prepare tutees for assignments, studios, and exams
- Hold individual or group helping sessions on a weekly basis

Project Intern, Daniu Technologies

Jul 2019 – Aug 2019

- Designed structures with MySQL for an Android employee management application with graphical features
- Performed analysis on databases of a company with about 700 retail stores to generate track records

Case Studies, McKelvey School of Engineering

Aug 2018 – Dec 2018

- Conducted four Case Studies under instructions from professors
- Topics cover: (i) Dynamical Systems and Control, (ii) Imaging, (iii) Signal Processing, and (iv) Circuits

SELECTED PROJECTS

Web Chatroom

Aug 2019

- Used Node.js and Socket.io to build a real-time chatroom application
- Users could edit/delete multiple rooms, set passwords and kick/ban users from established rooms

News Website

May 2019

- Designed a news website with PHP and MySQL
- Users could register with hashed password stored in databases, post/delete stories, and edit comments

AJAX Calendar

May 2019

- Developed a dynamic, asynchronous calendar with PHP, JavaScript, and MySQL
- Registered users can add, edit, and share group events with other users

PROFESSIONAL SOCIETY MEMBERSHIPS

- Institute of Electrical and Electronics Engineers (IEEE)
- Association for Computing Machinery (ACM)