Tianqi (Andy) Wu

20455, 6985 Snow Way Drive.
St. Louis, MO 63130-4400
wu.tianqi@wustl.edu |http://tianqiwu.org| 314-203-6408

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 **Minor:** Linguistics & Robotics

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

Relevant Coursework: Web Development, Cloud Computing, Artificial Intelligence, Parallel Computing, Theories of Machine Learning, Mobile Application Development, Programming Systems and Languages, Data Structures and Algorithms, Object-Oriented Software Development, Electrical and Electronic Circuits

TECHNICAL SKILLS

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

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

PROFESSIONAL EXPERIENCE

Teaching Assistant, McKelvey School of Engineering   *Aug 2019 – Present*
- Assisted a professor with 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 in familiar subjects from previous taken courses
- Prepare students for assignments, studios, and exams
- Hold individual or group help 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

SELECTED PROJECTS

Time-Management Application   *Feb 2020*
- Developed a single-page time-management application with React.js, Bootstrap, PHP, and MySQL
- Implemented a home page with a data visualization API so that users can examine their efficiency
- Created an embedded personal scheduler where users could add/delete tasks, and filter pending events

Recommendation System with Netflix Data   *Dec 2019*
- Collaborated on a team of four as developer cloud for a movie recommendation system with PySpark
- Analyzed movie ratings data (~25MB) and implemented the model with Jaccard similarity measure
- Assisted developer local with cloud execution and deployed the program with Amazon EMR, EC2 & S3

Personal Finance Application   *Dec 2019*
- Cooperated on a team of four on an iOS Personal Finance Application with Swift, Firebase, and stock APIs
- Users could view and simulate stock status, add/delete assets, and view current trends in pie/bar charts

Web Chatroom   *Dec 2019*
- Built a real-time chatroom application with Node.js, Socket.io and Bootstrap
- Created a platform where users could add/delete rooms, set private rooms and kick/ban users

Movie Search Application   *Oct 2019*
- Developed a multithreading Movie Search Application with TMDb API, XCode, and SQLite
- Enables users to view detailed descriptions of movies, watch trailers, and store favorite movies locally

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