Yaodong (Carl) Wang

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Education

Washington University in St. Louis   St. Louis, MO
Major in Computer Science   GPA 3.66/4.00
Minor in Math
Expected Graduation: May 2026
Relevant Coursework: Rapid Prototype Development and Creative Programming, Object-Oriented Software Development Laboratory, Data Structure and Algorithms

Engineering Experience

Papertrail Inc.   St. Louis, MO
Software Development Engineering Intern   June 2024 – Aug 2024

- Collaborated with cross-functional teams to design, develop, and maintain high-quality software. solutions.
- Wrote clean, efficient, and well-documented code according to best practices and coding standards.
- Participated in code reviews, troubleshooting, and debugging to ensure software quality.

McKelvey School of Engineering   St. Louis, MO
CSE 132, Teaching Assistant   August 2023 – May 2024

- Assist with course operations, including grading assignments and facilitating classroom activities.
- Host office hours sessions to help students with course content and assignments.

McKelvey School of Engineering   St. Louis, MO
CSE 330, Teaching Assistant   January 2024 - Present

- Assist with course operations, including grading assignments and facilitating classroom activities.
- Host online office hour sessions to help students with course content and assignments.

McKelvey School of Engineering   St. Louis, MO
Computer Imaging Group, Research Assistant   May 2023 – December 2023

- Conducted research study on performance of adapted mismatched priors in the Plug-andPlay (PnP) method for image deblurring.
- Fine-tuned and optimized DruNet priors by training and testing using PyTorch code.
- Produced paper report and gave presentation on research findings.

Project Experience

Tables, Hack WashU   St. Louis, MO
Back end programmer and collaborator   2023

- Site software constructed with peers during Hack WashU 2023 event.
- Powered by Node.JS and React, site uses crowdsourcing to accomplish tasks listed by users with a custom reward system.
- Project is still under development. Github link: https://github.com/cwong8751/hackwashu2023

Scanner, Personal project   Shenzhen, Guangdong
Author   2021-2023

- Mobile application designed to run on iOS and iPadOS systems made for family clothing retail business.
- Application scans code192 barcodes and gives an option to take pictures of clothing and saves to filesystem.
- Users have the option to see and output pictures. Part of an internal retail sales system.
- Project is under active development. Link: http://www.wqis.xyz/scanner.html

Technical Skills

- Programming Languages: Java, Python, C#, PHP, Javascript, Visual Basic .NET, C++, Swift, Dart
- Databases: Firebase, MySQL, SQL Lite
- Frameworks: React. JS, Vue. JS, Vuforia, Android, iOS, Flutter
- Communication: Fluent in Mandarin and Cantonese