Yixin Wang

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Education

Technical University of Berlin, M. Sc. Automotive Systems – Berlin   10.2024 – Present
- Focus areas: Automotive Engineering, Computer Science, Mechatronics
- Thesis: expected in 2027

University of Applied Sciences Berlin, B. Sc. Automotive Engineering – Berlin   10.2021 – 04.2024
- Focus areas: Automotive Engineering, Vehicle Dynamics, Advanced Driver Assistance Systems
- Thesis: Development of a tool and GUI for automated requirements generation

Tongji University, B. Eng. Automotive Engineering – Shanghai   09.2018 – 07.2024
- Focus areas: Automotive Engineering, Electrical Engineering, Engineering Fundamentals
- Thesis: completed as part of dual degree program at University of Applied Sciences Berlin

Experience

Working Student Software Developer, Tourbosoft GmbH – Berlin   06.2025 – Present
- Contributing to Tourbosoft.App, an Android application developed with the latest Android SDK
- Developing TWS, a full-stack web application based on Blazor and Entity Framework
- Close collaboration with a dedicated development team

Bachelor's Thesis Student, IAV Fahrzeugsicherheit GmbH & Co. KG – Gifhorn   07.2023 – 02.2024
- Designed a user-friendly GUI for requirements and test case generation
- Participated in regular systems engineering meetings in an agile development process
- Developed and deployed the application using the Electron framework

Research Assistant, Ruhr University Bochum – Bochum   07.2022 – 12.2022
- Improved and extended LabVIEW programs for experimental setups in chemistry laboratory
- Adapted control logic, user interface, watchdog and safety functions
- Optimized modulation, efficiency, and scalability of programs

Projects

Adaptive Tab Bar Colour, Personal Project   github.com/easonwong-de/adaptive-tab-bar-colour
- Developed and maintained a Firefox add-on for dynamic browser theme adaptation
- Successfully scaled to nearly 50,000 daily active users
- Technologies: JavaScript, React.js, and NPM

Future Interior, Student Project at Daimler Greater China Ltd.   03.2021 - 07.2021
- Contributed to developing a prototype for an ozone disinfection glove compartment
- Conducted gas simulations with STAR-CCM+ to calculate ozone ventilation time
- Created bilingual final report

Technologies

Programming Languages: C++, C#, Java, Kotlin, SQL, JavaScript, TypeScript

Frameworks & Tools: .NET, React, Electron, Entity Framework, Git, VS Code, NPM

As of: March 8, 2026