

## WENDI TANG

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Wendi is a software engineer specializing in full stack web development, with a strong technical skillset, fast learning ability, and excellent problem-solving, communication, and teamwork skills.

### EDUCATION

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#### University of New South Wales

Feb 2023 - Aug 2024

Master of Information Technology (WAM: 80/100)

- Coursework: Data Structures & Algorithms, Database Systems, Computer Networks, Front-end Programming, Design & Analysis of Algorithms, Systems Capacity Planning, Project Management, Advanced C++ programming, Big Data Management

#### University of Melbourne

Mar 2020 - Dec 2022

Bachelor of Commerce, Finance and Accounting (WAM: 68/100)

- Coursework: Foundations of Computing, Linear Algebra, Calculus, Statistics

### INTERNSHIP

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#### VCBEAT | *Data Analyst Intern*

Sept 2021 - Jan 2022

- Conducted data analysis and interpretation of healthcare industry reports, enabling decision-making with medical knowledge systems and market analysis.
- Analyzed mRNA research reports to evaluate the commercial value of mRNA-based drugs and vaccines, identifying market opportunities and competitive insights through data-driven analysis.
- Performed evaluation of health management platforms, analyzing product functionality and testing equipment integration, to enhance product development strategies.

### PROJECTS

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#### RealDomain: [Real Estate Application](#) | *React, Node.js, Express.js, MongoDB*

Jun 2024

- Developed a full-stack MERN real estate application with secure user authentication using JWT, Firebase, and Google OAuth.
- Implemented efficient CRUD operations using MongoDB to manage property listings and integrated user-friendly features such as image uploads and listing management.
- Enhanced user experience with advanced property search functionality, API testing using Insomnia, Redux Toolkit for state management, and deployed on the 'render' platform.

#### Messenger: *Conversation Platform* | *Next.js, React, Tailwind CSS, Prisma*

Nov 2023

- Developed a real-time chat application integrating Pusher for instant messaging and notifications, and implementing Cloudinary CDN for seamless image uploads.
- Optimized user experience with client-side form validation using react-hook-form, and enhanced server robustness with comprehensive error handling using react-toast notifications.

#### DNScraft: *DNS Resolution System* | *Python, DNS protocol, Network Programming*

July 2023

- Developed a custom DNS resolver for efficient domain name resolution, including message structure and reverse DNS lookups, enhancing query response by 20%.
- Conducted a performance analysis against public DNS services, resolving 5000 domain names, and showcased DNScraft's fast response time and accuracy.

### SKILLS

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- Languages & Web Development: Python, C, C++, TypeScript, JavaScript, React, HTML, CSS
  - Databases & Tools: MongoDB, SQL, Git, Jira, Docker, CI/CD
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