Bùi Thanh Tùng

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Education

HCMC University of Technology (HCMUT)　　　　　　　　　　　　　　　　　Expected May 2026
Bachelor of Science in Computer Science (GPA: 3.00 / 4.00)　　　　　　　　　　　*Ho Chi Minh City*

Experience

TMA Solutions　　　　　　　　　　　　　　　　　　　　　　　　　　　Jun 2025 – Aug 2025
Web Intern　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Ho Chi Minh City*
- Developed key features for a full-stack agricultural supply chain management project, utilizing Express.js for the backend API and React with TypeScript for the user interface.
- Designed and implemented an automated chatbot for a personal finance management application using the n8n platform to handle user queries and streamline interactions.

Technical Skills

Languages: Python, PHP, Java, C++, JavaScript, Java
Technologies: React.js, Node.js, Express.js, Flask, Bootstrap, MySQL, MongoDB, SpringBoot, Spring Data JPA, Spring Security, Hibernate
Concepts: Data Structures and Algorithms, Object-Oriented Programming, RESTful APIs, Authentication Authorization (JWT), Database Design, WebSockets, Principle of Programming Language

Projects

Learning Management System (LMS) | *React.js, Tailwind CSS, Node.js, Express.js, MongoDB*
- Developed a full-stack LMS platform, allowing instructors to create courses, manage students, and track progress.
- Implemented role-based authentication with JWT, ensuring secure access control for students, instructors, and admins.
- Integrated real-time notifications using WebSocket, improving user engagement and interaction.

Social Network App | *React.js, Tailwind CSS, Node.js, Express.js, MongoDB*
- Built a feature-rich social networking app with user authentication, profile management, and post creation.
- Implemented an interactive chat system using WebSocket and Socket.io, enabling real-time messaging.
- Designed and developed a like-comment-share system, increasing user engagement.

Job Portal Website | *React.js, Tailwind CSS, Node.js, Express.js, MongoDB*
- Developed a full-featured job portal platform with three roles: Admin, Job Seeker, and Recruiter.
- Implemented secure role-based authentication and authorization using JWT.
- Enabled job seekers to upload and manage their CVs, and recruiters to post and manage job listings.
- Built a dynamic search and filter system to match job seekers with relevant job opportunities.

YoloHome - Smart Home Management System | *React.js, Tailwind CSS, Node.js, Express.js, MongoDB, Socket.io*
- Designed and developed a smart home control system to manage lights, fans, temperature, and humidity sensors.
- Implemented real-time device status updates and control using WebSocket (Socket.io).
- Enabled remote access and live monitoring of environmental data through a responsive web interface.
- Built device scheduling and automation features to enhance user convenience and energy efficiency.

Languages

- **English:** B2 (Upper-Intermediate) - 6.0 IELTS