Jason P. Yau

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Technical Skills

Languages: Java, C, JavaScript, TypeScript, C++, HTML, CSS
Frameworks/Libraries: Spring Boot, Express.js, React, Bootstrap, JUnit, jQuery
Tools: MariaDB, MongoDB, MySQL, Node.js, Maven, Git, GitHub, Postman, SwaggerHub, VSCode, Ubuntu, phpMyAdmin, LaTex, Excel, Powerpoint, Photoshop

Projects

Chat-App | *Spring Boot, MariaDB, React, TypeScript, Bootstrap, Cloudflare*
- Managed user authentication and created secure OAuth 2.0 login via Google, Discord, GitHub using Spring Security
- Enabled real-time communication between users utilizing STOMP over WebSocket
- Created efficient database relationship between users, group chats, and messages to store 10,000+ messages that can be retrieved via pagination with ∼100ms latency

jasonpyau.com | *Spring Boot, MariaDB, Bootstrap, Cloudflare*
- Created portfolio website that dynamically loads blog posts, projects, skills, etc. from MariaDB and created admin panel for easy modification of data w/ 20+ API Endpoints
- Developed contact form that emails me when visitor sends a message
- Used Google Guava and Bucket4j to write an annotation which maps a hashed IP address to a token bucket in an expiring cache to rate limit spam
- Self hosted on Raspberry Pi, using Cloudflare tunnel for SSL certificate & security
- Used GitHub Actions for continuous deployment (CD) on Git pushes and created 15+ unit tests with JUnit & Mockito to be run before deployment

Spotify Playlist Generator | *Express.js, Node.js*
- Created an interactive full stack app that generates playlists and recommends songs based on inputted songs, genres, and artists, utilizing Spotify's REST API

WordGuesser | *Java Swing*
- Developed Wordle-like game with GUI, randomly generating & processing words based on the current date or millisecond from a list of 12,000+ words

Experience

UCF Knight Hacks   Sep. 2022 – Present
Projects Team   *Orlando, FL*
- Collaborated with team members to create full stack web applications
- Created login system with JWT authentication + email password reset using Mongoose
- Participated in workshops & introduced to new languages

Second Harvest Food Bank   Jul. 2021 – Mar. 2023
Volunteer   *Orlando, FL*
- Contributed to 200,000+ meals for those in need in the Orlando area

Education

University of Central Florida   2022 – Exp. 2025
Bachelor of Science, Computer Science   *GPA: 3.93/4.00*

- **Relevant Coursework**: Computer Science I (DSA w/ C), Object Oriented Programming, Security In Computing, Computer Logic & Organization, Matrix & Linear Algebra, Intro to Discrete, Calc II

- **Awards/Honors**: UCF President's Honor Roll, Dean's List, Florida Academic Scholar