

# Jason P. Yau

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## Education:

- **University of Central Florida**

GPA: 3.92

Bachelor of Science, Computer Science

Aug 2022 - May 2026

**Relevant Coursework:** CS1 (Data Struct & Algo w/ C), Object Oriented Programming, Security In Computing, Matrix & Linear Algebra, Intro to Discrete, Calc II, AP Computer Science A

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## Skills:

- **Languages:** Java, C, JavaScript, C++, HTML, CSS
  - **Frameworks/Libraries:** Spring Boot, Maven, Node.js, Express.js, jQuery, Bootstrap
  - **Tools:** MariaDB, MongoDB, MySQL, Git, Github, Postman, SwaggerHub, VSCode, Ubuntu, phpMyAdmin, LaTeX, Excel, Powerpoint, Photoshop
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## Projects:

- [jasonpyau.com](http://jasonpyau.com) / *Spring Boot, MariaDB* May 2023 - Present
    - Created portfolio website that dynamically loads blog posts, projects, skills, etc. from database, and created admin panel for easy modification of data
    - Developed contact form that emails me when visitor sends a message
    - Used Bucket4j and Google Guava to cache addresses that expire in short intervals which map to a token bucket to rate limit spam
    - Self hosted on Raspberry Pi, using CloudFlare tunnel for SSL certification & security
  - [Bet Mate](#) / *Express.js, MongoDB* Feb 2023 - Mar 2023
    - Created a secure login system with SHA-256 encrypted passwords with salt stored in the database using Mongoose and web token authentication
    - Developed email password reset system using automatically expiring web token
  - [Spotify Playlist Generator](#) / *Express.js* Nov 2022 - Nov 2022
    - 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* Oct 2022 - Nov 2022
    - Developed a Wordle-like game using Java Swing to create a user-friendly interface
    - Randomly generate & process words using seed based on the current date or current millisecond from a list of 12,000+ words
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## Experience:

- **UCF Knight Hacks (Member)** Sep 2022 - Present
    - Create and collaborate with team members to create full stack web applications
    - Participated in workshops & introduced to new languages
  - **Second Harvest Food Bank (Volunteer)** Jul 2021 - Mar 2023
    - Contributed to 200,000+ meals for those in need in the Orlando area
  - **Awards/Honors:** UCF President's Honor Roll, AP Scholar w/ Distinction, National Honor Society, Florida Academic Scholar
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