Jason P. Yau

Orlando, FL

Linkedin | Github | jasonyau@knights.ucf.edu | jasonpyau.com

Education:

- **University of Central Florida**   *GPA: 3.92*

  Bachelor of Science, Computer Science   *Exp. 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

Skills:

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

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Projects:

- **jasonpyau.com** | *Spring Boot, MariaDB, Bootstrap*
  - 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 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 certificate & security
  - Used GitHub Actions to for continuous deployment (CD) on Git pushes, creating 10+ unit tests with JUnit & Mockito to be run before deployment
- **Bet Mate** | *Express.js, MongoDB*
  - Created a secure login system with SHA-256 encrypted passwords with salt stored in the database using Mongoose and web token authentication w/ email password reset
- **Spotify Playlist Generator** | *Express.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

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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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