

Jason Baron

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EDUCATION

University of Florida

Bachelor of Science in Computer Science Liberal Arts; GPA: 3.94/4.00

Gainesville, FL

Aug. 2020 – May 2024

Relevant Coursework

Full Stack IOT, Information and Database Systems, Technical Writing, Operating Systems, Computer Organization, Data Structures and Algorithms, Numerical Analysis, Programming Language Concepts, Enterprise SWE Practices

EXPERIENCE

Web Solutions Engineering & Operations Intern | *Universal Destinations & Experiences* Jan. - Apr. 2024

- Worked with frontend development team to design, build, and maintain web components and their content pipelines across Universal Orlando, Hollywood, Japan, and other upcoming web platforms.
- Built modular components according to design specs using Stencil.js with Typescript, wrote unit tests for them in Jest/Jasmine frameworks, then integrated them into live & upcoming Angular webpages.
- Worked closely with UI/UX and content management teams to tailor components to specific product needs and update component content using Tridion CMS.

PROJECTS

Coastle - Rollercoaster Wordle | *JavaScript, HTML, CSS*

- Designed and deployed a wordle-style game challenging users to guess rollercoasters by relating ride statistics such as height and inversions to one another.
- Implemented functionality for pulling ride stats from API, daily/endless gamemodes, statistic tracking and hints.
- Amassed 72,000 total users with average daily traffic of 400 users and average engagement time of 11 minutes.

Pantry Pal - Storage Management System | *Arduino/ESP32, TypeScript, Next.js*

- Developed an inventory management system prototype for households using attachable laser barcode scanners and ultrasonic sensors connected to a web app.
- Communicated scanned product information and pantry/fridge door status to Supabase via HTTP over WiFi.
- Deployed site displaying real-time item quantity counts alongside product info pulled from a barcode API.

Chicago Crime Tracker - Data Analysis Tool | *SQL, React, Go*

- Developed a web app for displaying user-tailored trend statistics with React/JS frontend and Go/Oracle backend.
- Wrote multiple trend queries in SQL and enabled users to change parameters as desired on frontend.
- Generated tailored graphs to visually represent queried data using crime statistics from the Chicago Police Dept.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML/CSS/Sass, Angular, SQL, Java, Python, C/C++, C#, Arduino, MATLAB

Libraries: React, Node.js, Next.js, Oracle, MySQL, Socket.io, Material UI, PrimeReact

Tools: Git/GitHub, Jenkins, Docker, Storybook, RabbitMQ, Swagger, Tridion, Linux, Bash, Jira, REST, Unity, Blender

OTHER EXPERIENCE

Eagle Scout

- Developed leadership and organizational skills through holding multiple troop and project leadership positions.
- Large scale projects include planning/collaborating the construction of fencing for an equine non-profit's horse enclosure and designing/building a historical exhibit detailing 80 years of troop history.

Competitive Programming

- Strengthened communication and brainstorming skills in team environments while solving coding problems.
- Analyzed different approaches to problems and developed/debugged solutions under strict time constraints.

EXTRACURRICULARS & ACTIVITIES

Gator Theme Park Engineering & Design, Chinese-American Student Association, JiaTing Lion & Dragon Dance Troupe