

Daniel Jonas

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Education

Florida International University, Bachelor in Computer Science

Expected Graduation: December 2024

- Relevant Courses: **Data Structures**, Advanced Unix Programming, Systems Programming, **Database Management**
- GPA: 3.42

Skills

- **Languages:** Python, JavaScript, C, TypeScript, Java, HTML, CSS, C#
- **Technologies:** React.js, Next.js, Node.js, Express.js, SASS, Tailwind, PostgreSQL, SQL, AWS, Spring Boot, Junit

Work Experience

Software Engineering Intern, UKG

September 2023 – Present

- Designed and implemented a **SQL Server Integration Services (SSIS)** package to automate the scanning of files and efficiently extracted and stored their information into a SQL database, improving data management and accessibility.
- **Skills used:** C#, .NET, SQL Server Integration Services, SQL, TSQL, Microsoft PowerBI

Software Engineering Intern, JPMorgan Chase & Co

June 2023 – August 2023

- Enhanced data accuracy by diligently addressing **Jira tickets** to deliver high quality code solutions to ensure seamless information flow between our **Spring Boot** application and CockroachDB
- Strengthened code reliability and trustworthiness by significantly expanding test coverage for a critical API endpoint, conducting meticulous **Mockito** unit testing, collaborating on defect resolution, and actively participating in Agile processes, ensuring effective project management and software stability
- **Skills used:** Java, Spring Boot, JUnit, Mockito, Jira, CockroachDB

Full-Stack Development Intern, CodePath X Workday

June 2022 – August 2022

- Developed proficiency in full-stack web development technologies, including HTML, CSS, JavaScript, APIs, Node/Express, React, PostgreSQL, and Heroku, through a comprehensive 10-week internship program, enabling the creation of robust and user-friendly full-stack web applications
- Demonstrated effective **communication** and **teamwork skills** by collaborating with other interns, participating in daily scrum meetings, workshops, and discussions
- Led the conceptualization, design, and implementation of a capstone project (FlashiCards), demonstrating the capability to deliver results within tight deadlines
- **Skills used:** React, **PostgreSQL**, **SQL**, Heroku, AWS, ChakraUI, HTML, CSS, JavaScript, Node, Express

Leadership Experience

Tech Fellow, CodePath

January 2023 – May 2023

- Led breakout room sessions, **fostered engagement**, addressed student confusion, and provided technical assistance in web development (HTML, CSS, JavaScript) to over **15 students**
- Built strong relationships with program participants, offering mentorship, guidance, and support

Projects

FlashiCards

- Developed and launched a flashcard study tool using Heroku, Amazon S3, Amazon CloudFront, and Amazon Route 53
- Implemented a **PostgreSQL** database to store user login and flashcard data, allowing users to log in and access their flashcard sets from any device
- Created an **Express.js** backend to connect users to their data and to clean inbound and outbound data, enabling real-time updates and data validation
- Utilized Chakra UI to optimize the UI creation process, resulting in a **30% reduction** in development time while still providing a smooth and intuitive user experience for users
- **Skills used:** React, PostgreSQL, Heroku, AWS, ChakraUI, HTML, CSS, JavaScript, Node, Express

Codeclash

- Developed the frontend of Codeclash using Next.js, TypeScript, React, Tailwind, and Prisma to create a seamless and user-friendly UI, enhancing the overall user experience
- Implemented Next-Auth to enable users to easily sign up and log in using their Google, LinkedIn, or GitHub accounts
- Used Web Sockets to enable real-time coding competitions and to save appropriate data in real time, allowing users to challenge each other and improve their skills
- Participated in weekly Scrum-oriented sprints, helping the team to stay focused and on track, and to quickly iterate and improve the platform based on user feedback
- **Skills used:** Next.js, TypeScript, SCSS, React, Tailwind, Prisma, Next-Auth