

# CEDRIC D. CHERESTAL

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Fort Lauderdale, FL

## EDUCATION

### Florida International University

Bachelor of Science in Computer Science

Expected December 2025

Miami, FL

- Dean's List: September 2022 - August 2024; **GPA: 3.79**

## SKILLS

*Programming:* Java, C, C#, Python, Javascript, SQL, HTML/CSS

*Frameworks & Libraries:* Spring, Springboot, JUnit, Jotai, .NET, Typescript, React, Gatsby, Node.js, Tailwind, Selenium, Flask

*Tools & Technologies:* Apache Kafka, GraphQL, PostgreSQL, Docker, RabbitMQ, MongoDB, Kubernetes, NoSQL, Twilio, Maven

## WORK EXPERIENCE

### Tesla

Incoming Software Developer Intern | Campaign Manager Team

January 2025 - May 2025

San Jose, CA

### Ultimate Kronos Group (UKG)

Software Developer Intern | Notifications Team

September 2024 - December 2024

Weston, FL

- Developed microservice using **Java** to automate renewal of **Kafka** authentication certificates affecting over **300+ Spring Boot** microservices spanning multiple teams, significantly reducing developer hours and manual intervention.
- Designed and deployed microservice using **Java**, **Apache Kafka**, and **MongoDB** to enable Web Browser notification functionality.

### BlackRock

Software Developer Intern | Aladdin Engineering Team

June 2024 - August 2024

San Francisco, CA

- Engineered and implemented real-time data synchronization service using **Java** and **Spring Boot**, leveraging **WebSockets** to enable significant improvement of data accuracy and responsiveness of Aladdin Trader application.
- Collaborated with intern team to enhance user interface by integrating real-time update functionality using **TypeScript** and **React**, leveraging existing **Jotai** state management to efficiently handle live data updates.
- Analyzed existing **GraphQL** infrastructure to identify key data points for **WebSocket** integration, collaborating with Aladdin Engineering team to document findings and plan future enhancements.
- Automated internal authentication process with **Python** and **Selenium**, reducing manual effort for team members.

### Ultimate Kronos Group (UKG)

Software Developer Intern | Payroll Team

September 2023 - December 2023

Weston, FL

- Optimized **SQL** database queries and stored procedures affecting more than **30** SSRS reports, resulting in **72%** reduction in report generation times.
- Hosted knowledge-transfer workshops for intern team, expediting solution deployment, and partnered with international legacy teams and the principal engineer to resolve widespread bug affecting multiple reports.
- Designed and implemented automated tests using **C#** and **NUnit** framework to efficiently detect and document potential testing failures.

## PROJECTS

### TEKKEN 8 Player Statistics Website

August 2024 - Present

[Frontend](#) | [Backend](#)

- Designed and developed a **Full-stack** web application using **Java**, **Spring Boot**, and **PostgreSQL** to aggregate and analyze over **200 million** Tekken 8 player match statistics with over **950K** unique players.
- Engineered **multithreaded RabbitMQ** consumers and data aggregation pipelines to handle large-scale concurrent data ingestion, compute player statistics, rank distribution, and character win rates across multiple game versions.
- Designed interactive frontend with **React**, **TypeScript**, and **Next.js** that allows users to retrieve personal player statistics and view visualizations of rank distribution, character popularity, and global leaderboards.
- Containerized services using **Docker** with plans to deploy on multiple self-hosted VPS instances running **Ubuntu**.