ALEXIS LEONARDO JALOMO

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EDUCATION

University of Illinois at Chicago   *Class of 2020*
Bachelor of Science in Computer Science   *Cum Laude*

TECHNICAL STRENGTHS

Programming Languages: C, C++, Go, Java, JavaScript, Python, Scala, SQL, Unix.

Software & Tools: Akka Actors, Docker, Flink, Git, Gradle, GraphQL, Hadoop, JUnit, Kafka, Maven, MySQL, NodeJS, PubSub, ReactJS, Terraform.

WORK EXPERIENCE

Nordstrom, Chicago IL   Mar 2021 - Present
Software Engineer

· Maintaining, improving, and developing modern event-driven applications. Progressing orders to completion.
· Implementing real time solutions using Apache Kafka and Apache Flink
· Development tech stack also involves Docker, DynamoDB, Go, Java, PubSub, Spanner, and Terraform.

UIC, Chicago IL   Dec 2019 - May 2020
Computer Science Undergrad Tutor

· Developed students' confidence through attentive instructions in programming and debugging, applying positive reinforcement strategies.

FEATURED PROJECTS

Content-Addressable Network — Akka | Scala   **GitHub:** CAN

· Implementation of CAN Algorithm via Actor-based computational model. Designed for high-performing cloud-based applications. Functional ability to store and retrieve distributed information.

Distributed Chord — Akka | Scala   **GitHub:** DistributedChord

· Implementation of Chord Algorithm via Actor-based computational model. Designed for high-performing cloud-based applications. Functional ability to store and retrieve distributed information.

Big Data Processing — Hadoop | Scala   **GitHub:** ScalaHadoop

· Created a distributed program for parallel processing of the DBLP data-set (3GB) which contains XML entries for various publications at many different venues. Implemented with the Map-Reduce model.

GitHub GraphQL Framework — GitHubV4 API | Scala   **GitHub:** GitHubGraphQL

· Created a object-oriented pure functional GraphQL client framework for GitHub. Functional ability to compose and execute external GraphQL commands from Scala client programs.

Cloud Simulations — CloudSim Plus Framework | Java   **GitHub:** CloudSimulations

· Constructed and analyzed three cloud data center simulations. Each with distinct resource provisioning models and indistinct cost for resources.