

Victor Rakotondranoro

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EDUCATION

Loyola University Chicago, Chicago, IL. *August 2022 - Present*
Master's in Software Engineering, Expected May 2023.

Loyola University Chicago, Chicago, IL. *August 2018 – May 2022*
Bachelor's in Software Engineering, Graduated May 2022. GPA: 3.8

Lycée Français de Chicago, Chicago, IL. *August 2017 - June 2018*
Majored in Mathematics, Physics, Chemistry and Biology. GPA: 3.9

LINKS

- GitHub: <https://github.com/viciiz>
- Portfolio: <https://viciiz.github.io>
- LinkedIn: <https://www.linkedin.com/in/victor-rakotondranoro>

SKILLS

Programming Languages:

- Proficient in: Java, C, C++, Python.
- Familiar: JavaScript, HTML5, CSS3, PHP, Groovy for Jenkins.
- Beginner: SQL, XML, Kotlin, Assembly.

Platforms, Frameworks, and Other: GCP, Kubernetes, Helm, Apigee, Jenkins, MongoDB, React Native, React, Firebase, Atlassian Stack (Bitbucket, Jira, Opsgenie, Confluence), 3D Modeling & 3D Printing (Fusion360 and Blender), Computer Networking.

Languages: French and Malagasy (both native)

EXPERIENCE:

Loyola University Chicago, Chicago, IL.

Teaching Assistant (in Operating Systems, Introduction to Computer Systems, and Formal Methods in Software Engineering), August 2022 – Present

- Led labs to help students apply the course material and understand Operating Systems concepts and components; Reviewed their C programs to give feedback for improvement and comprehension.
- Created course material with professors from books and given topics, and worked collaboratively with them to debug the course's source code and to catch potential errors using Property-based testing with Jqwik and JUnit in Java. Generated test coverage reports from the course's codebase (JaCoCo).

Zoro Tools, Inc. Chicago, IL.

DevOps Engineer Intern, September 2021 – April 2022

- Completed and closed 5 Jira tickets to meet the goals of the sprints. A ticket involved converting an App Engine app to Kubernetes; Implemented CICD using a Jenkins deployment pipeline to build, test, and deploy the application to Kubernetes each time a commit is made; The application runs as a microservice which required the creation of Uptime Checks on GCP as well as buckets on GCS.
- Led the automation of the DevOps team's Service Desk (SolarWinds' Samanage) to make the on-call work more efficient; Automated AWS S3 bucket access requests which is a common request on Jenkins written in Groovy; Reorganized the S3 buckets to follow a specific pattern (1 group – 1 bucket – 3 policies (R-W-D)) for a smarter flow of the automation pipeline; Used HTTP calls to communicate new requests to pipeline.

Calypso-B, Start-up, Chicago, IL.

Software Engineer Intern, February 2021 – August 2021

- Developed the front-end of the start-up's website using HTML5, CSS3, and JavaScript.
- Programmed microcontrollers in C to share data via Bluetooth and NFC, which went into the end product. Designed the 3D model of various products in Fusion 360 and Blender.

PROJECTS:

Loyola University Chicago, Chicago, IL.

Banking Mobile Application, Spring 2021

- Developed a cross-platform micro-lending app in a team of 3 using JavaScript, React-Native, and Expo.
- Implemented database queries and writes to Google Firebase's real-time database; Pair-programmed the database-related code to prevent data-loss/overwriting during the interaction with Firebase.