

Victor Rakotondranoro

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EDUCATION

Loyola University Chicago, Chicago, IL. *August 2018 - Present*
Bachelor's in software engineering, Expected May 2022. GPA: 3.7

Lycée Français de Chicago, Chicago, IL. *August 2017 - June 2018*
Majored in Mathematics, Physics, Chemistry and Biology. GPA: 4.0

SKILLS

Programming Languages:

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

Platform & IDEs: IntelliJ, PyCharm, VS Code, Visual Studio, CodeBlocks, Android Studio, Eclipse, Ubuntu, GitHub, Linux, Windows, MySQL, Fusion 360, Microsoft Office.

Other: React Native, React, Firebase, Data structure, algorithm, Arduino, Raspberry Pi, Linux, Git, TensorFlow, 3D modeling & 3D printing, Electronics, Robotics.

Languages: Fluent in French and Malagasy (both native).

PROJECTS:

Loyola University Chicago, Chicago, IL.
[Banking Mobile Application](#), Spring 2021

- Developed a cross-platform micro-lending app in team using JavaScript, React-Native, and Expo.
- Implemented queries and writes to Google Firebase's real-time database.

Loyola University Chicago, Chicago, IL.
[Embedded Web Server](#), Fall 2020

- Developed a web application using PHP, HTML5 and CSS3 to control a radar system connected to a Raspberry Pi. The web app is hosted on the integrated Apache web server of the Raspberry Pi.
- Integrated multiple Python programs to control the hardware. The web app reads the user input and executes the Python codes on the Terminal of the Raspberry Pi.

[Robotic Hand](#), Summer 2020

- Created a robotic hand that can be controlled via Bluetooth using C++ and an Arduino microcontroller.
- Modeled and designed the robotic hand on Fusion 360. All the parts are 3D-printed.
- Planned and budgeted the project. Mastered 3D modeling and electronics.

EXPERIENCE:

Calypto-B - Start-up, Chicago, IL.
Software Engineer Intern, February 2021 – Present

- Developed the front-end of the start-up's [website](#) using HTML5, CSS3, and JavaScript.
- Designed the 3D model of various products in Fusion 360 and Blender. One of the models can be viewed and controlled under the [product](#) section of the website.
- Programmed microcontrollers in C to share data via Bluetooth and NFC, which go into the products.

Lycée Français de Chicago, Chicago, IL.
Tutor in Mathematics, November 2017 – June 2018

- Strengthened peers' mathematical bases once a week during tutoring hours.
- Clarified exam problems and instructed classmates to have a better understanding of algebra, calculus, probability, and geometry.

LINKS

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