

# 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:

**Calypso-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.

**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>