

Victor Rakotondranoro

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EDUCATION

Loyola University Chicago, Chicago, IL

Bachelor's in software engineering, Expected May 2022

GPA: 3.7

Lycée Français de Chicago, Chicago, IL, June 2018

Majored in Mathematics, Physics, Chemistry and Biology. GPA: 4.0

LINKS

- GitHub: <https://github.com/viciiz>

- Portfolio: <https://viciiz.github.io>

SKILLS

Programming Languages:

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

Embedded Web Server, Fall 2020

- Developed a web application using PHP, HTML5 and CSS3 to control a radar system connected to a Raspberry Pi for my computer system class. 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.

Calculator Android App, Fall 2020

- Built a calculator app for Android phones using Java and XML on Android Studio.
- Integrated a JavaScript engine to execute the operations.

Daily Planner, Fall 2020

- Wrote a program in C++ that asks the user's plans for the day. The program handles a file: an existing planner can be modified, or a new file is created.

Robotic Hand, Summer 2020

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

EXPERIENCE:

Lycée Français de Chicago, Chicago, IL.

Tutor in Mathematics, November 2017 – June 2018

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