

# Christia El Khoury

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## EXPERIENCE

### Internship

*April – July 2023*

#### Halcyon, Ghazir

- Conducted in-depth research on breast cancer detection, reading scientific articles and publications to understand the most recent developments in the field.
- Executed image preprocessing techniques on the dataset including Rolling Ball Algorithm, Huang Thresholding, Hough Line Transform, data augmentation...
- Developed a Python-based breast cancer detection model that classified malignant and benign tumors with an impressive 88% accuracy.
- Conducted multiple testing and evaluation on a large number of mammograms images.

### Internship

*August 2022*

#### Saint-Joseph Hospital, Dora

- Created user-friendly interfaces using HTML, CSS, and JavaScript.

### Private tutoring

*2020 - Ongoing*

- Python, math, physics, chemistry, biology.

## PROJECTS

### Final Year Project

- Breast Cancer Detection using Python and Image Processing.

### University Projects

- Built a Guiding Tour Android app using XML and Java for the user side, PHP to handle database queries with MySQL as the backend database managed through WAMP server, and PHP, HTML, and CSS to create the admin side.
- Used Oracle to complete a cinema database project.
- Developed a responsive front-end E-commerce website using Bootstrap, HTML, CSS, and JavaScript.

### Internship Projects

- Front-end healthcare and blood donation web application using HTML, CSS, JavaScript.

## SKILLS

- Java, C++/C, Python, PHP, HTML, CSS, JavaScript, SQL, C#, MATLAB, Prolog, Assembly.
- IntelliJ IDEA, Eclipse, Visual Studio Code, Visual Studio, Oracle/MySQL/SSMS, Cisco packet tracer.

## EDUCATION

### Bachelor in Computer Science

*2020-2023*

Lebanese University Faculty of Science II-Fanar

## CERTIFICATIONS AND AWARDS

### AUST-robotics summer camp

*July 2018*

- Football robot using Arduino

### LAU-physics summer camp

*July 2018*

### AUST-robotics summer camp

*July 2017*

- Obstacle avoider robot using Arduino.
- Won first place as a team.

## LANGUAGES

English: Fluent

French: Fluent

Arabic: Native