



Enthusiastic Computer Science Student eager to contribute to team success through hard work, attention to detail and excellent organizational skills. Clear understanding of problem solving and algorithm implementation with experience in developing small projects in Java, javascript and other small programs in Python and C.

# Carlos Rafael Gil Alvarado

## E-Mail:

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## Skill Highlights

- Problem Solving
- Algorithm implementation
- Algorithms and data structures
- Java programing skills
- Python programming skills
- Javascript programming skills
- C programming skills
- Team work

## Languages

Spanish – Native  
English – Full working proficiency  
Japanese - Conversational/Limited working proficiency

## Work experience

### Front-End developer -

2020/06-2020/12

#### Pestalozzi Technology, Tokyo, Japan

Implemented several SwiftUI components for the notifications tab of an iOS app as a remote part-time job. In addition, consumed some XML files in order to train an ML model using core ML.

## Personal projects

### Conway's Game of Life

Implemented the well known Conway's Game of Life using java on the Eclipse environment. It supports mouse input to select the initial state of the cells and allows the user to determine the dimensions of the board and manually, or automatically, run and check the progress of the program.

### Basic chat application

Implemented of a simple chat application on javascript using the React framework for the front-end and express and the library socket.io for the back-end.

### Simple Shell implementation

Implementation of the most popular commands used in the UNIX command line such as cd, mkdir, rm, shell script execution, etc.

### Othello game implementation

First real program implemented in the C programming language of the popular Othello game and allows the user to control it from the command line and play against a second player with a hardcoded playing strategy.

## Education

**Bachelor of Science: Computer Science -**  
**Osaka University, Japan**

2019/04-current

**Japanese Language Learning Course -**  
**Tokyo University of Foreign Studies, Japan**

2018/04-2019/03

**High School Diploma -**  
**Colegio Español Padre Arrupe, El Salvador**

2014/01-2016/12

## Awards

**Japanese Government Monbukagakusho (MEXT) Scholarship (2018)**

**International Mathematical Olympiads awards (2014-2016)**

Silver, Bronze medals and honorable mentions in international competitions.