Como ser becario en una Big Tech: The Coding Interview

por José Antonio Álvarez - @Dreji

LA BECA

El CV

José Antonio Álvarez Ocete

PERSONAL INFORMATION

EMAIL: joseantonioao32@gmail.com   PHONE NUMBER: +34 605787255
GITHUB: https://github.com/Ocete   LINKEDIN: https://LinkedIn.com/Ocete

EDUCATION

SEP. 2016 - JUN. 2021 | **Computer Science and Mathematics**
University of Granada, average mark: 9.387/10.
Percentage of courses with honors: 70.97%.
Expected graduation date: July 2021.

SEP. 2015 - JUN. 2016 | **Telecommunications Engineering**
I pursued a single year of this bachelor.
University of Granada, average mark: 9.670/10.
Percentage of courses with honors: 90%.

SEP. 2013 - JUN. 2014 | **11th grade at Chop Point School**
I studied a year abroad at Chop Point School, Portland,
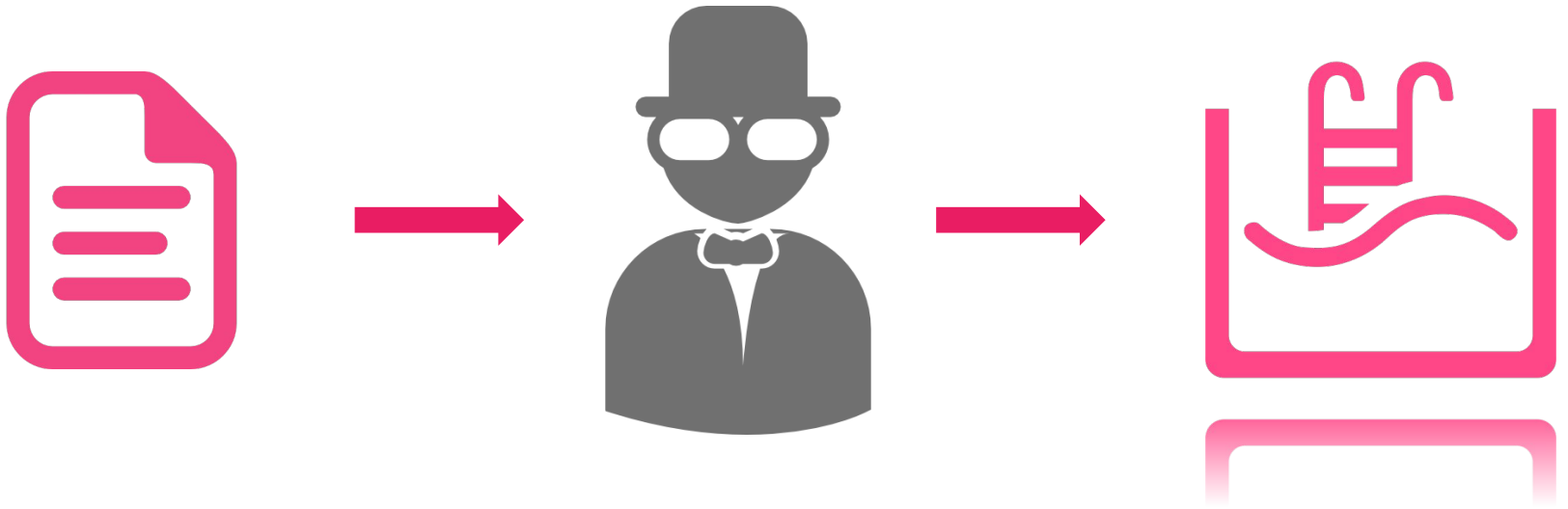Maine, USA: http://choppointschool.com/

PROJECTS

APR. 2018 | **Ludum Dare Jam 2018**
Within a group of five we developed a cooperative top-down puzzle shooter. I mainly
contributed in gameplay programming and game design. The game is currently playable
at its *itch.io* site https://laucalle.itch.io/dolls-nightmare and its source code is on
Github https://github.com/Laucalle/LudumDare41.

MAR. 2018 | **Google Hashcode 2018**
Along with 3 other people I took part on this programming contest organized by Google.
We got ranked 1503rd worldwide and first of our hub. Our solution can be found in Github
https://github.com/yabirgb/hashcode2018.

JAN. 2018 | **Global Game Jam 2018**
Within a group of seven we developed a simple 2D puzzle game. I mainly contributed
in gameplay programming, game design and level design. Found in the official Global
Game Jam website https://globalgamejam.org/2018/games/tcp and a second updated
version on Github https://github.com/Laucalle/GlobalGameJam-2018.

DEC. 2017 | **Advent of Code 2017**
Advent of Code is a series of programming problems presented throughout
December. Additional information can be found in http://adventofcode.com/2017/
about. My solutions to these problems can be found in https://github.com/Ocete/
Advent-Of-Code-2017.

OCT. 2017 | **Hacktoberest 2017**
This projects promotes global open source contributions during October. My contri-
butions were fixes in documentation and file hierarchy in two different open source
projects. Found in https://github.com/Ocete/programming and https://github.com/
Ocete/twitter4s.

SKILLS

C++ (>5k lines), C (>1k lines), C# (>0.5k lines), Java (>1.5k lines), Ruby (>1.5k lines), Python
(>0.5k lines), and Oracle. Game Design and Level Design. Team spirit, quick learner
and good listener. Speaks Spanish and English.

El Proceso

La entrevista

gayle.com

CRACKING
the
CODING INTERVIEW

189 PROGRAMMING QUESTIONS & SOLUTIONS

GAYLE LAAKMANN MCDOWELL | 6TH EDITION

Author of Cracking the PM Interview and Cracking the Tech Career

Preparación

Páginas:

CODECHEF

HackerRank

topcoder

Programming Interviews Exposed

Secrets to Landing Your Next Job

John Mongan, Eric Giguere, Noah Kindler

Competiciones:

Hash Code

code jam

print "hello, world!"

tuenti
challenge 8
Make the impossible, possible

Temas o tipos de preguntas

1. Strings y hashing
2. Estructuras de datos
3. Sorting y Searching
4. Recursión y Programación Dinámica
5. Otros temas: Diseño, escalabilidad, bit manipulation, testing...

Desarrollo

1. Haz preguntas

2. Usa un ejemplo

3. Mejora tu algoritmo

4. Implementación

5. Debug

Técnicas de mejora

1. Best Conceivable Runtime

2. BUD Optimization (Bottlenecks, Unnecessary work, Duplicated work)

3. Do It Yourself (DIY)

4. Base Case and Build

5. Data Structures Brainstorm

Otros programas

Becas STEP

Summer Trainee Engineering Program

Minimum qualifications:

- Currently pursuing a Bachelor's in Computer Science or a related technical field.
- Programming experience in either Java, C++ or Python.
- Ability to complete an internship between 1st July 2019 to 20th September 2019.

Preferred qualifications:

- Returning to a Bachelor's degree program with two or more years remaining in academic program after completion of the Summer 2019 internship.
- Experience in programming outside of your university course.
- Interest and ability to learn other coding languages as needed.

Google Summer of Code - 26/2

How It Works

Apply
Interested students propose a project to work on.

Code
10100 10111

Accepted students spend the summer coding with guidance from a mentor.

Share
Submit your code for the world to see!

Spaniards to Silicon Valley - Mayo

SPANIARDS AND
SILICON VALLEY

OUR MISSION IS TO FOSTER THE DEVELOPMENT OF THE SPANISH
TECHNOLOGY SECTOR

A **non-profit** initiative led by engineers
working at Google, Amazon, Facebook,
Instagram, etc.