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# JORGE ALBERTO VILLARREAL GONGORA

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## PROFESSIONAL SUMMARY

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Talented Computer Engineer with a strong background in object oriented programming and web development. Portfolio available at <https://github.com/Tronax1>.

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## EDUCATION

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**Bachelor of Science:** Computer Engineering, Expected **December 2019**  
University of South Florida - Tampa, FL, United States

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## PROJECTS

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**Money Manager:** A finance web application that tracks user expenses and calculates whether the user can afford a mortgage or not. (**React, Redux, Firebase**).

**Aldebaran:** A bot application that connects to a Discord server and plays music from YouTube, and defines words such as a dictionary. (**Node, Amazon Web Services EC2, YouTube API**).

**Knight's move game:** A player vs AI game where both players move a chess knight around a 4x4 board. You cannot move the knight on the same square again, and the loose is the one that ran out of moves (**C++**).

**Tic-Tac-Toe:** A player vs AI Tic-Tac-Toe game (**Java**).

**Scientific Calculator:** Simple calculator that also has trigonometric functions (**C++**).

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## WORK HISTORY

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**Programming Tutor**, 05/2017 to 08/2017

Colegio Albania – Mushaisa, La Guajira

- Collaborated with a team of faculty to develop after-school tutorial programs for students in need of extra help.
- Met with parents to resolve conflicting educational priorities and issues.
- Designed a summer boot-camp to teach JavaScript and C++ to students.

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## SKILLS

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|----------------------------|--|------------|
| • JavaScript (Node, React) | • Bilingual: English (Fluent) and Spanish (Native) | • Redux    |
| • Java, C/C++              | • Amazon Web Services EC2                          | • Firebase |
| • Unix/Linux               | • HTML5 and CSS                                    |            |

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## ACTIVITIES

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- Member of the USF Microsoft developers club
- USF Chess Club President
- Taekwondo Black Belt