

# CÉSAR FIGUEROA

1237 64<sup>th</sup> Ave E  
Vancouver, BC V5X 2N8

(236) 978 1820  
cedafiso@gmail.com

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## ACADEMIC EXPERIENCE

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### Web Development

- Developed static content websites for users to consult tourist information of a specific city using technologies such as HTML, CSS, and JavaScript.
- Developed stateless websites for the user to check their League of Legends/Valorant Game stats using technologies like React, Node.js and MongoDB.
- Linked the Frontend with a database, and the backend to make a full stack responsive website using React.js, Node.js, Express and MongoDB.
- Implemented the backend codebase of a game stats website using Node.js and the Express framework, to make requests to public APIs in order to receive the desired data and display it to the user.

### Database Management

- Build database for storage of game statistics for users, using MongoDB technology.
- Linked a website with a database using query operations which pulled data from the MongoDB database and showed the results on the screen.

### Debugging and Testing

- Developed and coded the test class using various libraries including Junit to detect and analyze all the errors and bugs for different programs and methods.
- Frequently running debugger and checking for any bugs if in case the testing procedures indicates the room for any improvement.

### Teamwork

- Collaborated with different members on group projects for successful web application development.
- Successfully adjusted to different group dynamics by understanding member preferences and gauging individual strengths.
- Delivered and communicated information effectively with the work team in the maintenance department, creating a consistent, cooperative and highly productive team.

### Management Skills

- Organized and distributed tasks within a work team according to the abilities and strengths of each member of the team.
- Motivated team members to continue to meet high standards and achieve all the established requirements.

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## WORK EXPERIENCE

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### **General Maintenance Scheduler Assistant**

**June 2017 — August 2017**

Barranquilla – Colombia

**Gracetales LTDA.**

- Scheduled and followed preventive maintenance work for packaging room equipment, refrigeration equipment, and lubrication.
- Drafted the monthly report of the maintenance department that included indicators of downtime, planned downtime, and availability which allowed us to identify improvement opportunities.
- Analyzed the indicators of the Maintenance department to generate a report for Management Department and in order to identify opportunities for improvement for the processes.

### **Mechanical Engineering Intern in the maintenance**

**January 2017 — June 2017**

Barranquilla – Colombia

**Gracetales LTDA**

- Drew plans for fluid lines, such as final product, steam, condensate, and mechanical parts using Auto Cad so that the machinery manuals and plant plans were updated in case of any maintenance or improvement work.
- Supervised maintenance of pumps, cooling towers, heat exchangers, and plant machinery which guaranteed the right procedure and proper functioning.
- Scheduled and adjust mechanical technician shifts to ensure at least one mechanical technician and one mechanical assistant on the plant 24/7, successfully reducing downtime due to unforeseen failures in production.

### **Research Intern**

**September 2016 — December 2016**

Barranquilla – Colombia

**University of the North**

- Created virtual models of elements to be manufactured using Solid Work for the implementation of these in the experimental bench.
- Created and updated the virtual model of elements already acquired and elements to be

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manufactured in the research project using Solid Work and successfully decreasing waiting times for remanufacturing in case of failures during tests.

- Delivered detailed blueprints for the manufacture of new elements for the project, allowing field testing and advancement of the research project.

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## EDUCATION

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**Langara College**, Vancouver, BC  
Diploma of Computer Studies, Computer Science

**September 2021- Present**

**Colombian School of Engineering Julio Garavito**, Bogota, Colombia    **January 2018 — March 2019**  
Post Degree of Project Management, Business Management

**University of the North**, Barranquilla, Colombia  
Bachelor of Mechanical Engineering, Engineering

**September 2011 — December 2017**

**Courses:**

**University of the North**, Barranquilla, Colombia

**April 2021 — December 2021**

Academic Knowledge in Programming Skills with emphasis on Web applications, Computer Science

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## Affiliations and Credentials

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- Fluent in verbal and written Spanish