# Quijano Chavez Carlos Victor

**Master Student en Federal University of Rio Grande do Sul**

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Born on January 23, 1994 (26 years old) in Moquegua, Peru

Computer Science lover with experience in HCI research, Virtual Reality, and development skills. I am currently a Master's student in Computer Science at the Federal University of Rio Grande do Sul (UFRGS) in Porto Alegre, Brazil. My current research interest is Immersive Analytics. My dissertation focuses on applying engaging, embodied display and interaction techniques for data visualization and visual analytics in immersive environments. I want to continue acquiring research skills and evolve projects that help science and my personal growth.

## FORMATION

| | |
|---|---|
| 2018 | Master Stundent in Federal University Rio Grande do Sul - Brazil (Research area - Immersive Analytics) |
| 2016 | Graduated in National University of San Agustin (Computer Science) |

## PUBLICATIONS

**AN IMMERSIVE APPROACH BASED ON TWO LEVELS OF INTERACTION FOR EXPLORING MULTIPLE COORDINATED 3D VIEWS**   2021

Paper   github.com/cquijanoch/IMMultipleView   Demo Video

*Carlos Quijano-Chavez, Luciana Nedel and Carla M. D. S. Freitas*

Human-Computer Interaction – INTERACT 2021. Springer International Publishing.

`Multiple Coordinated Views` `Virtual Reality` `Immersive Analytics`

**COMPARING SCATTERPLOT VARIANTS FOR TEMPORAL TRENDS VISUALIZATION IN IMMERSIVE VIRTUAL ENVIRONMENTS**   2021

Under review github.com/cquijanoch/VRTrendVis   Demo Video

*Carlos Quijano-Chavez, Luciana Nedel and Carla M. D. S. Freitas*

IEEE Transactions on Visualization and Computer Graphics.

`Evaluation` `Trends Visualization` `3D Scatterplots` `Virtual Reality` `Immersive Analytics`

## PROJETS

**DIA.BR**   2018 - 2020

*Member*

The project aims to study and develop alternatives for interface modules with the core of the DIA.BR simulation system. The simulation system aims to support the geochemical modeling of diagenetic processes. The generation of data from these simulations will provide a better understanding of the development of diagenetic reactions in time and space, as well as their influence on the quality and heterogeneity of hydrocarbon reservoirs.

`C++` `Qt` `CMake` `SQLite`

**ANNELIDA**   2020

*Member*

The objective of this project is to develop a control and sensing system for inspection and actuation vehicles in production lines, for unclogging and maintenance of 4" to 10" pipelines that have been obstructed by hydrates or paraffins, in a semi-autonomous way. The operation of the locomotion and clearance system will be carried out through a highly usable interface to be developed. The interface (VR version included) will also handle fault signaling and recovery and will provide a means of exploiting the data collected during operation.

`C#` `Unity` `SteamVR`

## PROFESSIONAL EXPERIENCE

| | |
|---|---|
| September 2020 Currently | **Software Developer, NEOGRID, Porto Alegre-Brazil** |
| | > Responsible for the development of applications that make up the data platforms used in the solutions and products of Neogrid. |
| | > Back-end developer focused on providing solutions to requests with great concurrence. |
| | > Reviewer and contributor of ideas for solutions architecture. |
| | `NET` `C#` `Azure` `Java` `SQL Server` |

| November 2017 | **Software Web Developer, WMPERU, Arequipa-Peru** |
| March 2018 | › Development of Front-end architecture. |
| | › Development of Claims module. |
| | VsCode · Angular · Symfony · MySql |

| May 2017 | **Java Software Developer, UNSA, Arequipa-Peru** |
| October 2017 | › Development of BPM for Budget module. |
| | › Integration with SIAF with JMS. |
| | › Knowledge of Public Systems oriented to the government areas. |
| | JBoss · Eclipse · Maven · Angular · EJB · JPA · PostgreSql · FoxPro |

| September 2016 | **Java Software Developer, GLOBAL SYSTEM AND CONSULTING, Arequipa-Peru** |
| April 2017 | › Development of Parent, Student and Staff Assistance modules. |
| | › Development of analytical reports. |
| | GlassFish · Netbeans · Maven · AngularJs · EJB · JPA · PostgreSql |

| June 2016 | **Java Software Developer, META INNOVA, Arequipa-Peru** |
| August 2016 | › Maintenance of tax management system. |
| | › Migration of region municipality data. |
| | › Development of analytical reports. |
| | JBoss · Eclipse · Maven · JSF · Hibernate · SQL Server |

# ≡ SKILLS

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|---|---|
| Programming | Java (**JEE**, **JSE**), **.NET**,**C#**,**Javascript**, **C++**, PHP, Typescript, R |
| Frameworks | Spring, Spring Boot, Ionic 3, **Entity Framework, Angular**, JSF, JBoss RichFaces, Bootstrap |
| Databases | DB2, Oracle Database, Microsoft SQL Server, MySQL, PostgreSQL, SQLite |
| Development Tools | **Visual Studio**, IntelliJ Idea, **Eclipse**, **Unity**, Visual Studio Code, Maven, Ant, SVN, git |
| Operating systems | Windows Server, Windows Desktop, Linux Redhat, Linux Centos |
| Other | Azure, Architecture SOA, Technologies BPM, 3D Game platforms, Methodology RUP SCRUM |

## 🌐 LANGUAGES

| | |
|---|---|
| Spanish | ●●●●● |
| English | ●●●○○ |
| Portuguese | ●●●●○ |

## ✚ INTEREST AREAS

› Data Visualization
› Virtual/Augmented Reality
› Human-Computer Interaction