

# Yhonatan Iquiapaza

MASTER'S STUDENT

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## Education

### University Of South Australia (UniSA)

INTERN IN THE WEARABLE COMPUTER LAB

Australian Research Centre for Interactive and Virtual Environments

Mawson Lakes, Australia

2024 (On going)

### Federal University of Rio Grande do Sul (UFRGS)

MASTER IN COMPUTER SCIENCE

Visualization and Interaction Lab

Porto Alegre, State of Rio Grande do

Sul, Brazil

2023

### San Agustin National University (UNSA)

BACHELOR OF SYSTEM ENGINEERING

Facultad de Ingeniería de Producción y Servicios

Arequipa, Peru

2016

## Skills

**Programming Languages** C#, Java, Python, JavaScript, Typescript, SQL, R

**Frameworks** Angular, Spring, Pandas, Numpy, Vue, Astro

**Tools** Unity, Vuforia, Git, Unix

**Languages** Spanish, Portuguese, English

**Devices** Hololens 1, HTC Vive, Leap Motion

## Publications

### DeAR: Combining Desktop and Augmented Reality for Visual Data Analysis

DOI: [HTTPS://DOI.ORG/10.1145/3625008.3625021](https://doi.org/10.1145/3625008.3625021)

*Symposium on Virtual and  
Augmented Reality*

SVR, 2023

### Vibrotactile Data Physicalization: Exploratory Insights for Haptization of Low-resolution Images

DOI: [HTTPS://DX.DOI.ORG/10.1145/3488162.3488171](https://dx.doi.org/10.1145/3488162.3488171)

*Symposium on Virtual and  
Augmented Reality*

SVR, 2021

### Cooking in the dark: a mixed reality empathy experience for the embodiment of blindness

DOI: [HTTPS://DOI.ORG/10.5753/xr\\_in\\_games.2021.15680](https://doi.org/10.5753/xr_in_games.2021.15680)

*Proceedings of the 1st XR in Games  
Workshop*

IMX, 2021

### Cooking in the Dark: Exploring Spatial Audio as MR Assistive Technology for the Visually Impaired

DOI: [HTTPS://DOI.ORG/10.1007/978-3-030-85607-6\\_29](https://doi.org/10.1007/978-3-030-85607-6_29)

*Human-Computer-Interaction*

INTERACT, 2021

### 3DUI and the Phantom Limb: multisensory experience for embodiment of amputation

DOI: [HTTPS://DOI.ORG/10.1109/VRW50115.2020.00110](https://doi.org/10.1109/VRW50115.2020.00110)

*IEEE Conference on Virtual Reality  
and 3D User Interfaces*

VR, 2020

### E-mpathy and the Phantom Limb Sensation: A Multisensory Experience for Embodiment of Amputation

URL: [HTTP://CEUR-WS.ORG/VOL-2618/PAPER5.PDF](http://ceur-ws.org/Vol-2618/Paper5.pdf)

*Proceedings of the XChange Reality*  
2020

XCR, 2020

## Field of Interest

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- **Human-Computer Interaction.**
- **Augmented and Virtual Reality.**
- **Visualization**
- **Haptic and Physicalization**

## Awards

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### Audience Choice

VIBROTACTILE DATA PHYSICALIZATION OF COVID CASES IN SOUTH AMERICA

*IEEE World Haptic Conference*

WHP, 2021

### 3DUI Contest Winner

3DUI AND THE PHANTOM LIMB: MULTISENSORY EXPERIENCE FOR EMBODIMENT OF AMPUTATION

*IEEE Conference on Virtual Reality  
and 3D User Interfaces*

VR, 2020

## Others

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### Student Volunteer

SYMPOSIUM ON VIRTUAL AND AUGMENTED REALITY (SVR)

*Brazil*

2021

### Student Volunteer

INTERNATIONAL CONFERENCE ON COMPUTER VISION IN MEDICAL IMAGING: PROCESSING AND 3D MODELING

*Peru*

2016

### Student Volunteer

CONFERENCIA LATINO AMERICANA DE INFORMATICA (CLEI)

*Peru*

2015

## Work Experience

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### Wiseinova

FULL STACK DEVELOPER

- Legacy code refactoring in some project.
- Interface design with tailwind and update css legacy.
- Upgrade projects from react with javascript to react typescript.

*Porto Alegre, State of Rio Grande do  
Sul, Brazil*

Jan. 2023 - Jun. 2023

### TECNOFUC Brasil, SOHA

FULL STACK DEVELOPER

- Database design and maintenance.
- Creation and administration of web services in the back-end with nodejs.
- Integration of web services and interface design with vuejs and typescript.

*Porto Alegre, State of Rio Grande do  
Sul, Brazil*

Sep. 2021 - Feb. 2023

### Innnóvacis

MOBILE DEVELOPER

- Interface design and connect web services with their Apps in iOS environment.

*Arequipa, Peru*

Nov. 2018 - Feb. 2019

### SmartClic

FULL STACK DEVELOPER

- Architecture development on the front-end with Angular 8, and help security control with tokens and fresh tokens.
- Created different modules in C# and expose their web services, and map database classes.
- Model database schemas, and data maintenance.

*Arequipa, Peru*

Sep. 2017 - Oct. 2018

## **Universidad Nacional de San Agustin**

FULL STACK DEVELOPER

- Implemented security and database modules, management of users and permissions.
- Model database schemas, and data maintenance.

*Arequipa, Peru*

*Jan. 2017 - Aug. 2017*

## **Global System & Consulting SAC**

FRONT END DEVELOPER

- Interface design and create components for many modules.
- Write documentation of each of the modules.

*Arequipa, Peru*

*Jan. 2016 - May. 2016*