Yhonatan Iquiapaza

◆ Arequipa - Peru | ☑ yiquiapaza@gmail.com | in /in/yiquiapaza | ❖ yiquiapaza.github.io

CGoogle Scholar) HjBe7XUAAAAJ | ♠(Github) yiquiapaza

EDUCATION

Federal University of Rio Grande do Sul (UFRGS)

Master's Degree in Computer Science

Porto Alegre, Brazil January 2024

National University of San Agustin (UNSA)

Bachelor's degree in System Engineering

Arequipa, Peru April 2016

University of South Australia (UniSA)

Australian Research Centre for Interactive and Virtual Environments.

Mawson Lakes, Australia Apr-Oct 2024

- Develop the connection from Virtual Environment to the cloud.
- \bullet Prepare reports and presentations summarizing research findings.

PUBLICATIONS

DeAR: Combining Desktop and Augmented Reality for Visual Data Analysis

Symposium on Virtual and Augmented Reality, SVR, 2023

OI: https://doi.org/10.1145/3625008.3625021

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

Proceedings of the 1st XR in Games Workshop (XR in Games 2021)

 \bigcirc DOI: https://doi.org/10.5753/xr_in_games.2021

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

Symposium on Virtual and Augmented Reality, SVR, 2021 OI: https://doi.org/10.1145/3488162.3488171

 $\label{lem:cooking in the Dark: Exploring Spatial Audio as MR Assistive Technology for the Visually \\$

Impaired

Human-Computer Interaction - INTERACT 2021

OI: https://doi.org/10.1007/978-3-030-85607-6_29

E-mpathy and the Phantom Limb Sensation: a multisensory experience for embodiment of am-

putation

Proceedings of the XChange Reality! 2020

WRL: https://ceur-ws.org/Vol-2618/

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

IEEE Conference on Virtual Reality and 3D User Interfaces, VR, 2020

OI: https://doi.org/10.1109/VRW50115.2020.00110

T AWARDS AND HONOURS

Q Audience Choice

Vibrotactile Data Physicalization of COVID in South America IEEE World Haptic Conference, 2021

T 3DUI Contest Winner

3DUI and The Phantom Limb: Multisensory Experience for Embodiment of Amputation IEEE Conference on Virtual Reality and 3D User Interfaces, 2020

Reviewer

EuroVis 2025

■ EMPLOYMENT

Porto Alegre, Brazil Wesinova Jan-Jun 2023

Software Engineer - Full Stack developer

• Refactor legacy code in previous project.

- Design new interfaces and refactor legacy code.
- Upgrade projects from JavaScript to TypeScript with the last react version

TECNOPUC Brazil, SOHA

Software Engineer - 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 vue and typescript.

Innnóvacis Arequipa, Peru Software Engineer - Mobile developer Nov 2018-Feb 2019

• Designed interfaces and integrated web services with their respective apps in the iOS environment.

Smart Reasons - SmartClick

Arequipa, Peru Sep 2017-Oct 2018

Porto Alegre, Brazil Sep 2021-Feb 2023

- Software Engineer Full Stack developer • Database design and maintenance.
 - Developed front-end architecture using Angular 8 and assisted with security controls, including token and refresh token management.
 - Developed various modules in C#, exposed their web services, and mapped database classes.

National University of San Agustin (UNSA)

Software Engineer - Database Administrator

Areguipa, Peru Sep-Aug 2017

- Database leader and developer.
- Implemented security and database modules, including user management and permission control.
- Modeled database schemas and managed data maintenance.

Global System & Consulting S.A.C.

Software Engineer - Front-End developer

Arequipa, Peru Jan-May 2016

- Design interfaces and develop components for various modules.
- Write documentation for each module.

≡ SKILLS AND HOBBIES

Spanish, Portuguese, English Languages C#, Java, JavaScript, TypeScript, Python, SQL, R Programming Languages Frameworks/Libraries Angular, Vue, Astro, Pandas, Numpy, D3 js, MRTK Unity, Vuforia, Git, Unix, NeoVim, Latex, RStudio Tools Devices Hololens, HTC Vive, Meta Quest, Leap Motion, and some Haptic devices Hobbies hiking, read horror and sci fiction book

• OTHERS

Spanish Translator

Comixplain Project

St. Pölten University of Applied Sciences, Austria - 2024

Student Volunteer

 $Symposium\ of\ Virtual\ and\ Augmented\ Reality\ (SVR),\ Brazil\ -\ 2021$

Student Volunteer

Conference on Computer Vision in Medical Imaging: Processing and 3D Modelling, Peru - 2016

Student Volunteer

The Latin American Conference on Informatics (CLEI), Peru - 2015