Yhonatan Iquiapaza

Master's Degree

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Education

University Of South Australia (UniSA) | *Mawson Lakes, Australia*
Virtual Intern in the Wearable Computer Lab | *2024*
Australian Research Centre for Interactive and Virtual Environments

Federal University of Rio Grande do Sul (UFRGS) | *Porto Alegre, State of Rio Grande do Sul, Brazil*
Master's Degree in Computer Science | *2024*
Visualization and Interaction Lab

San Agustin National University (UNSA) | *Arequipa, Peru*
Bachelor's Degree of System Engineering | *2016*
Facultad de Ingeniería de Producción y Servicios

Skills

Programming Languages	C#, Java, Python, JavaScript, Typescript, SQL, R.
Frameworks	Angular, Spring, Pandas, Numpy, Vue, Astro.
Libreries	D3js, MRTK
Tools	Unity, Vuforia, Git, Unix, Neovim, Latex, Rstudio.
Languages	Spanish, Portuguese, English.
Devices	Hololens, HTC Vive, Metaquest, Leap Motion.

Publications

DeAR: Combining Desktop and Augmented Reality for Visual Data Analysis | *Symposium on Virtual and Augmented Reality*
DOI: https://doi.org/10.1145/3625008.3625021 | *SVR, 2023*

Vibrotactile Data Physicalization: Exploratory Insights for Haptization of Low-resolution Images | *Symposium on Virtual and Augmented Reality*
DOI: https://dx.doi.org/10.1145/3488162.3488171 | *SVR, 2021*

Cooking in the dark: a mixed reality empathy experience for the embodiment of blindness | *Proceedings of the 1st XR in Games Workshop*
DOI: https://doi.org/10.5753/xr_in_games.2021.15680 | *IMX, 2021*

Cooking in the Dark: Exploring Spatial Audio as MR Assistive Technology for the Visually Impaired | *Human-Computer-Interaction*
DOI: https://doi.org/10.1007/978-3-030-85607-6_29 | *INTERACT, 2021*

3DUI and the Phantom Limb: multisensory experience for embodiment of amputation | *IEEE Conference on Virtual Reality and 3D User Interfaces*
DOI: https://doi.org/10.1109/VRW50115.2020.00110 | *VR, 2020*

E-mpathy and the Phantom Limb Sensation: A Multisensory Experience for Embodiment of Amputation | *Proceedings of the XChange Reality 2020*
URL: http://ceur-ws.org/Vol-2618/paper5.pdf | *XCR, 2020*

Field of Interest

- Human-Computer Interaction.

- Augmented and Virtual Reality.

- Visualization

- Haptic and Physicalization

Awards

Audience Choice   *IEEE World Haptic Conference*

VIBROTACTILE DATA PHYSICALIZATION OF COVID CASES IN SOUTH AMERICA   *WHP, 2021*

3DUI Contest Winner   *IEEE Conference on Virtual Reality and 3D User Interfaces*

3DUI AND THE PHANTOM LIMB: MULTISENSORY EXPERIENCE FOR EMBODIMENT OF AMPUTATION   *VR, 2020*

Others

Spanish Translator in Comixplain   *Austria*

COMIXPLAIN IS A PROJECT DEVELOPED AT SANKT PÖLTEN UNIVERSITY OF APPLIED SCIENCES   *2024*

Student Volunteer   *Brazil*

SYMPOSIUM ON VIRTUAL AND AUGMENTED REALITY (SVR)   *2021*

Student Volunteer   *Peru*

INTERNATIONAL CONFERENCE ON COMPUTER VISION IN MEDICAL IMAGING: PROCESSING AND 3D MODELING   *2016*

Student Volunteer   *Peru*

CONFERENCIA LATINO AMERICANA DE INFORMATICA (CLEI)   *2015*

Work Experience

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

FULL STACK DEVELOPER   *Jan. 2023 - Jun. 2023*

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

TECNOPUC Brasil, SOHA   *Porto Alegre, State of Rio Grande do Sul, Brazil*

FULL STACK DEVELOPER   *Sep. 2021 - Feb. 2023*

- 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.

Innnóvacis   *Arequipa, Peru*

MOBILE DEVELOPER   *Nov. 2018 - Feb. 2019*

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

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.

Universidad Nacional de San Agustin
Arequipa, Peru

FULL STACK DEVELOPER
Jan. 2017 - Aug. 2017

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

Global System & Consulting SAC
Arequipa, Peru

FRONT END DEVELOPER
Jan. 2016 - May. 2016

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