

Vitor Carneiro Maia

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[Lattes CV](#) — [LinkedIn](#) — [Behance](#)

Education

- **Ph.D.** in Software Engineering and HCI, PESC/UFRJ (Brazil) and LAMIH/UPHF (France) 2024
- **Master's Degree** in Systems and Computer Engineering, PESC/UFRJ 2019
- **Bachelor's Degree** in Computer Science, UFRJ 2013

Professional Experience

- **Lemobs, Rio de Janeiro, Brazil** 2017 – 2022, 2024 – Present
– Development and management of APIs, websites, and mobile applications.
- **Prill Tecnologia, Rio de Janeiro, Brazil** 2015 – 2017
– Development of APIs, websites, mobile applications, and databases.
- **Olympya Software, Rio de Janeiro, Brazil** 2012 – 2015
– Development of a soccer MMO game using C# and Unity.
- **GDP (UFRJ's Game development group)** 2007 – 2012
– Projects in Actionscript, and Allegro Game Library.

Languages

- **Portuguese:** Native
- **English:** Certificate in Advanced English, Cambridge University (C1 Level)
- **French:** B2 Level (oral and written), private lessons

Personal Projects

- **IoT Systems for Medical Equipment Management** 2020 – Present
- **3D Modeling** 2020 – Present
- **Social Network for Skaters** 2017 – 2018
- **Bejeweled-Style Game** 2014 – 2015

Computing Skills

- **Programming Languages:** C, C++, C#, SQL, Java, Kotlin, Python, Typescript, PHP.
- **AWS Services:** EC2, S3/Glacier, RDS, Cognito, Route 53.
- **Electronics:** Microcontrollers, Sensors, Raspberry Pi.
- **Graphic Design:** Photoshop, Illustrator, Premiere Pro, Cinema 4D.
- **Others:** Android API, Ionic, Node-RED, NestJS, Unity.

Prize

- **Software Quality Dissertation Contest** (SBQS 2020 - 3rd place)

Publications

- Bruno Pedraça, Vitor Carneiro Maia, André Giron, Patrícia Furtado, Thiago Alcântara, Guilherme Travassos. (2024). [Tecnologias Digitais Frente às Ações de Saúde em Emergências e Desastres](#). Livro: Hospitais Seguros e Resilientes: Desafios e Estratégias de Preparação e Resposta a Emergências e Desastres.
- Vitor Carneiro Maia, Kathia Marçal de Oliveira, Christophe Kolski, Guilherme Horta Travassos. (2023). [Using RFID in the Engineering of Interactive Software Systems: A Systematic Mapping](#). Proceedings of the ACM on Human-Computer Interaction, 7, issue eics, article no.: 183, pp. 1-37.
- Vitor Carneiro Maia, Lidvine Godaert, Kathia Marçal de Oliveira, Christophe Kolski, Guilherme Horta Travassos. (2023). [Supporting IoT system design for the location, use, and management of objects in health centers](#). In IEEE 25th Conference on Business Informatics (CBI), Prague, Czech Republic. 10 pages.
- Vitor Carneiro Maia, Kathia Marçal de Oliveira, Patricia Furtado, Christophe Kolski, Guilherme Horta Travassos. (2023). [Towards the Management of the Location and Use of Medical Equipment with Reduced User Interaction in Health Centers 4.0](#). Companion Proceedings of the 2023 ACM SIGCHI Symposium on Engineering Interactive Computing Systems, EICS 2023, June 27-30, ACM, Swansea, United Kingdom, pp. 45-52.
- Vitor Carneiro Maia, Kathia Marçal de Oliveira, Christophe Kolski, Guilherme Horta Travassos. (2023). [Design and Evaluation of Interactive Software Systems to Support the Location and Management of Medical Equipment in Health Centers](#). Poster, Mardi des chercheurs, IMTD, UPHF, Valenciennes, France, juin.
- Vitor Carneiro Maia. (2022). [Design and evaluation of RFID-based interactive devices distributed in socio-technical environments](#). In: Proceedings of EICS-WS, SIGCHI 2022, Sophia Antipolis, France, pp. 8-13, june.
- Luciana Nascimento, Cecilia Apa, Diego Cerqueira, Michael Rassu, Vladimir Erthal, Vitor Carneiro Maia, Thatiana Fernandes, Guilherme Horta Travassos. (2020). [Uso de experimentação contínua para a instrumentação e o empacotamento do coorte PIPA UFRJ](#). Poster Session in CIBSE'20.
- Vitor Carneiro Maia, Taisa Guidini Gonçalves, Ana Regina Rocha. (2020). [Identification of quality characteristics in mobile applications](#). In Proceedings of CIBSE'20.
- Vitor Carneiro Maia, Taisa Guidini Gonçalves, Ana Regina Rocha. (2020). [Quality Evaluation of Mobile Applications](#). Anais Estendidos do SBQS'20, Evento Online, Brasil. SBC, Porto Alegre, Brasil, 21-30.
- Vitor Carneiro Maia, Taisa Guidini Gonçalves, Ana Regina Rocha. (2019). [Quality Characteristics of Mobile Applications: A Survey in Brazilian Context](#). In Proceedings of SBQS'19. ACM, New York, NY, USA, 10 pages.
- Alexandre Abdalla, Vitor Carneiro Maia, Rodrigo de Toledo. (2012). [URGE: Motor para o Desenvolvimento de Jogos Eletrônicos](#). In Proceedings of SIBGRAPI'12.

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