

# Nicolò Cavalli

## FULL STACK WEB DEVELOPER

14/10/1995, Italian  
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Versatile Full Stack Web Developer with a background in Psychology, Human-Computer Interaction, and Computer Science.  
Experience in the healthcare technology sector.  
Currently researching on Web Security

## CURRENT POSITION

**2024 | University of Rennes (France)**  
**PhD researcher (INRIA)**  
*Field:* Web security, Authorization Vulnerability, JavaScript Frameworks Analysis, Advanced Testing Techniques

## LANGUAGES

Italian	Native
English	Advanced (IELTS C1)
French	Intermediate (B1)

## TECHNICAL EXPERTISE

Front end	HTML, CSS, SCSS, JavaScript, Vue.js, Three.js, Cypress
Back end	PHP, Laravel, Python, Node, MySQL, Firebase, MongoDB
Graphic design	Figma, Illustrator, LaTeX



## PROFESSIONAL EXPERIENCE

**2022 - 2024 | iCare (Italy)**  
**Web Developer, UI/UX designer**  
Partner in ophthalmic technology providing solutions for comprehensive screening, diagnostics and monitoring of glaucoma, diabetic retinopathy, and macular degeneration.

- Designed, developed and tested cutting-edge UIs for a Vue.js application shared between different medical devices
- Built advanced reusable components for graphs visualizations
- Handled exam configuration, execution and review pages
- Application of unit-test and E2E automation test in Cypress
- Written JavaScript language enterprise guidelines

## EDUCATION

**2021 - 2022 | Post graduate course in Artificial Intelligence for the Human Sciences**  
Federico II University of Naples  
**Thesis topic** - Machine Learning for Web Accessibility in Tensorflow.js and Vue.js

**2018 - 2021 | Master's Degree in Theory and Technology of Communication (HCI)**  
Milano-Bicocca University of Milan  
**Thesis topic** - MiCare: context, design and front-end development of an eHealth proposal for adolescents and young adults at risk of psychosis

**2014 - 2017 | Bachelor's Degree in Psychology**  
IUSVE University of Venice