

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

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

LANGUAGES

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

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

TECHNICAL EXPERTISE

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| 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 |