

Somiya El Mimouni
*Digital Accessibility and Development
Specialist*

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PROFILE

A professional in science, technology, and health, I strive to connect my expertise in development and programming with my knowledge in humanities to create accessible digital products tailored to everyone's needs.

PROFESSIONAL EXPERIENCE

January 2023 – Present

FREELANCE DIGITAL ACCESSIBILITY AND DEVELOPMENT CONSULTANT |
Fiverr

- Conduct independent WCAG 2.1 audits on websites and applications.
- Communicate technical issues with actionable recommendations for both developers and non-technical stakeholders.
- Use NVDA, VoiceOver, and TalkBack to validate assistive technology compatibility.
- Provide pragmatic accessibility solutions that enhance user experience while balancing project constraints.
- Delivered client satisfaction through tailored reports, achieving an average 98% client approval rate.

April 2022 – January 2023

SOFTWARE DEVELOPER FOR THE BLIND (INTERNSHIP) | *University Laboratory, Paris 8 University*

- Analyze missing software functionalities to identify user needs.
- Propose digital solutions to meet those needs.
- Develop usage scenarios based on:
 1. Virtual agents for blind users to facilitate user interaction.
 2. Interfaces with interactive elements for dyslexic users.
- Translate scenarios into algorithms and validate through discussions with various user groups.
- Write, integrate, and test code functionalities for macOS and Windows.
- Added three major features to the software:
 1. Copy-paste text adapted to target users.
 2. Selective removal of attachments.
 3. Intelligent text search.
- Developed a smart method for reading statistical tables for blind users.

January 2021 – June 2021

VOLUNTEER WEB DEVELOPER | *Association in France*

- Developed and optimized inclusive web interfaces using HTML5, CSS3, and JavaScript while applying WCAG 2.1 accessibility standards.
 - Collaborated with teams to identify and resolve 95% of accessibility obstacles through regular audits and user testing.
 - Implemented navigation solutions compatible with assistive technologies like screen readers and keyboard navigation for a seamless user experience.
 - Conducted accessibility audits and automated checks using tools like Lighthouse and Axe, reducing manual testing time by 40%.
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EDUCATION

- **Master's Degree in Digital Humanities** (*In Progress*)
Paris 8 University, Paris
 - **Master's in Mathematics and Computer Science Applied to Humanities and Social Sciences** (2020 – 2022)
Paris 8 University, Paris
 - **Bachelor's Degree in Physics** (*Equivalent to a Bachelor's Degree*) (2014 – 2017)
Ibn Zohr University, Morocco
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SKILLS

Technical Skills

- **Programming Languages:** HTML5, CSS3, JavaScript, React.js, Angular, Node.js, Python, PHP
- **Web Accessibility:** WCAG, ARIA, Accessibility Testing (Axe, Lighthouse, WAVE)
- **Development Tools:** Git, Bootstrap, Jira, Trello, Asana
- **Methodologies:** Agile/Scrum, User Testing

Interpersonal Skills

- **Teamwork:** Collaborated with multidisciplinary teams to design accessible solutions.
 - **Autonomy:** Managed projects independently while proposing accessibility improvements.
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KEY PROJECTS AND CERTIFICATIONS

- **AutMath:** An educational robot for autistic children.
- **Book-Recycling:** A shared online library for used books.
- **JavaScript Algorithms and Data Structures** | *April 2023*
- **Front End Development Libraries** | *September 2023*

VOLUNTEERING ACTIVITIES

- Member of the University Environmental Club (2015 – 2017)
- Secretary of the University ENACTUS Club (2016 – 2017)
- Volunteer Mathematics Teacher (2018 – 2019)
- IT Department Volunteer in an Association (2021 – 2022)
- Volunteer Trainer in Adaptive Computing for the Blind and Website Accessibility Testing (2024 – *Present*)

LANGUAGES

- **French** : Advanced
- **English** : Advanced