

## **Somy El**

*Digital Accessibility and Development  
Specialist*

**Email:** [acces.handitech@gmail.com](mailto:acces.handitech@gmail.com)

### **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.

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### **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*
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## **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*)
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## **LANGUAGES**

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