

# MADELEINE HERNANDEZ

## FULL-STACK WEB DEVELOPER

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GitHub : [www.github.com/madeleineher](http://www.github.com/madeleineher)

Web and design goal-oriented, looking for an internship in front-end or full-stack web development.

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## SKILLS

### Markup, Style Sheet

(X)HTML  
CSS  
XML

### Programming

Javascript  
jQuery  
Python  
React  
PHP  
C

### Tools

macOS  
SQL  
Git

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## LANGUAGES

### FRENCH

Bilingual proficiency

### SPANISH

Elementary notions

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## INTERESTS

Computer graphics  
Textile design  
Pattern making  
UI/UX design

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## EXPERIENCE

**Research & Development Intern / CNRS - Délégation de l'île de France Ouest et Nord**  
MAY 2018 - AUGUST 2018, PARIS

- Development of a bilingual English-Naija corpus and syntactic alignment across different variations of English-Naija corpora.
- Linguistic exploration and statistical analysis in python of parallel treebanks between the English and Naija languages.

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## PROJECTS

**Mini Shop / A** rush e-commerce website

- A front to back-end team project featuring PHP, MySQL, HTML, and CSS.

**RT / A** 3D ray-tracing program that renders computer generated images.

- A collaborative project, in which I built a web interface that uses Express and Javascript to create a localhost server. I also programmed an XML-parser in C to handle user-input.

**Fract'ol / A** program which creates graphically beautiful fractals.

- For this project I learned about fractals and how to realize them with computer graphics.

**Fdf / A** 3D simplified program graphic representation of a relief landscape.

- A graphics program where I implemented simple matrix manipulation and user-interaction.

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## EDUCATION

**Digital Technologies Architect / 42 Paris**

NOVEMBER 2018 - DECEMBER 2019, PARIS

- An intense coding curriculum executed in C with a diverse array of projects

**Master's in Natural Language Processing / Université de la Sorbonne Nouvelle**

SEPTEMBER 2016 - JULY 2018, PARIS

- MA thesis : "[Automatic Generation of Hip-Hop and Rap Lyrics](#)" A backwards n-gram model using its own corpus to produce original rap lyrics

**Bachelor of Arts (in French and Linguistics) / University of California, Davis**

OCTOBER 2012 - JUNE 2016, DAVIS

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## AWARDS

**Poverty Alleviation Through Action / Blum Center, UC Davis**

- A month long women's empowerment workshop held in partnership with Darna, an NGO, in Tangier, Morocco with a focus on creative and enriching activities held in English for girls and young adult women.