

# Preparatory class in Computer Science

## PN Madagascar



**Term 1** 18 weeks : 485 h

### Main

- IT literacy (OS, MS Office)
- Graphic design (Figma)
- Front-end design (HTML, CSS)
- Project management
- Work methodologies
- Professional environment
- Company visits
- Web design
- General knowledge
- Languages
- Personal development workshop
- Psychological support workshop
- Life skills workshop

### Specialization 1 90h

#### Sciences, Tech & Digital

- Mathematics (logical thinking, data management)
- Algorithms and computational thinking

### Specialization 2 90h

#### Humanities, Communication & Digital

- Digital marketing
- Communication and information



**Term 2** 18 weeks : 395h



### Specialization 1 160h

#### Sciences, Tech & Digital

- Back-end (Python, Django)
- Front-end (JavaScript)
- Database management
- Network & security
- Mathematics

### Specialization 2 160h

#### Humanities, Communication & Digital

- Web ergonomics
- Design thinking
- Webmarketing
- Digital communication
- CRM and social networks
- SEO

### Main

- Project management
- Organizations
- Entrepreneurship and innovation
- Languages
- Public speaking
- Personal development
- Psychological support workshop
- Life skills workshop



**Professionalization** 4 weeks : 160h

Internship

+ up to 3 academic years in a partner higher education institution