

# 12 Weeks Program

Javascript Development Program



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# GoMyCode Overview



## **GoMyCode is a computer programming school.**

Our vision is to create a high end computer science education for everyone to fulfill their potential and realise their passion building and shipping real products. we teach youth : Coding & The principles of software development using the latest technologies, shipping real technology products from design to monetization and startup skills: collaboration, critical thinking, social creativity and communication.

GoMyCode was created in August 2016. In less than a year, GoMyCode helped over 400 students develop their technology product or find a job in technology.

Full Time program will help youth land a job in Technology. It's a 12-week intensive program targeted at university graduates and those wanting to change their career path.

It will help youth learn what it takes to start a job as a software developer anywhere in the world and to succeed in a such career.

# GoMyCode Overview

The student will learn the basics of software development, the latest technologies and the newest development methodologies. We are the first coding school to offer up-to-date coding education with the latest technologies and frameworks.

Our program is inspired by what is being done at Google, Facebook, Amazon and Apple. What is more, you will have the opportunity to work in teams on challenging projects and to develop your communication and social creativity skills.

**At the end of the program, every student has:**



## **A resume containing**

*Hundreds of small programming problems solved*

*A minimum of 30 daily mini products*

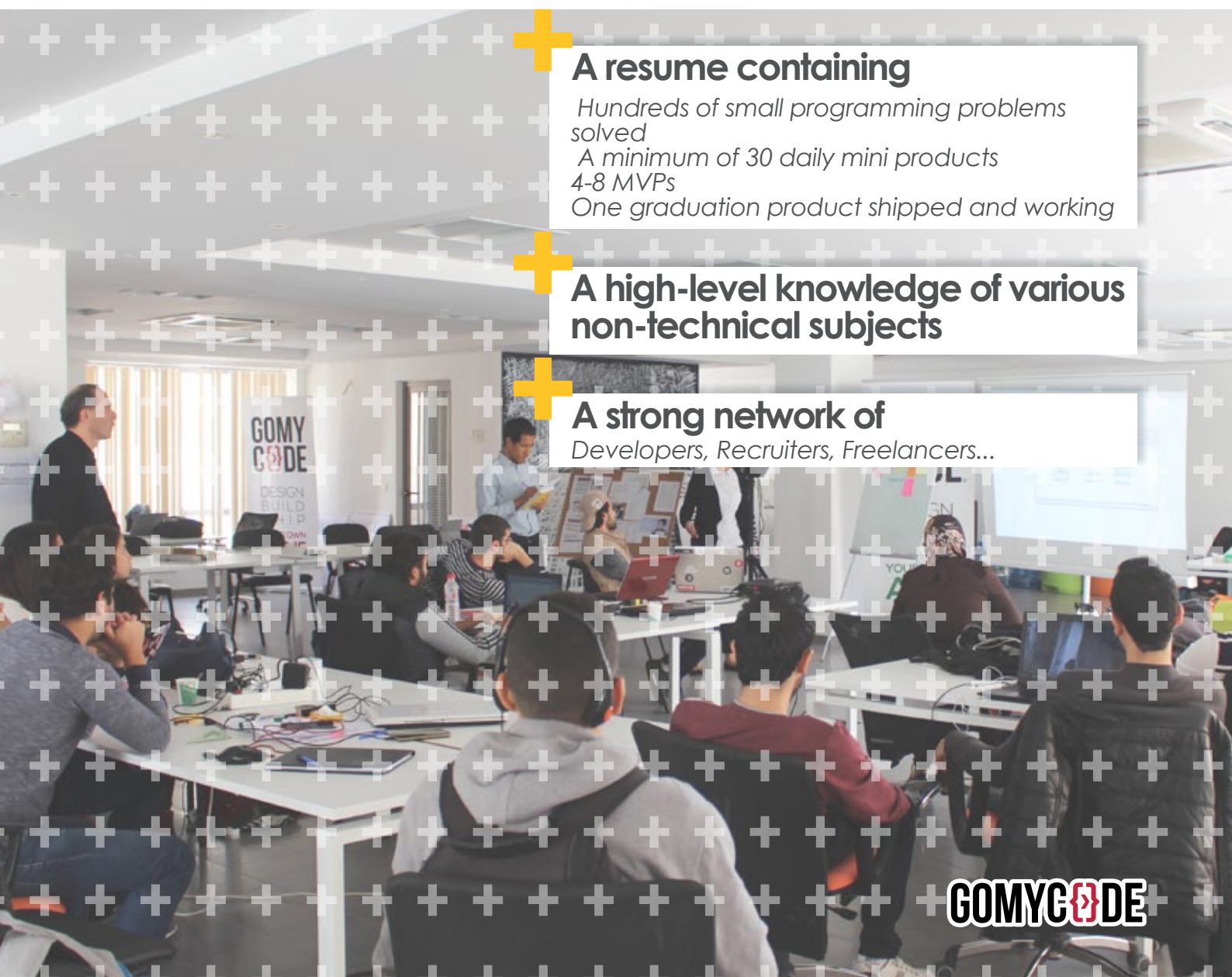
*4-8 MVPs*

*One graduation product shipped and working*

## **A high-level knowledge of various non-technical subjects**

## **A strong network of**

*Developers, Recruiters, Freelancers...*





# Program Overview



**The program is divided into 3 axes**

**Learn:** Programming knowledge and theoretical concepts

**Practice:** Practical side of the program (projects, exercises, mini-projects...)

**Connect:** All the activities that helps students develop their soft skills and network

The Practice axe is the most developed during the training compared with Learn and Connect axes. Our developers should be operational from day one.

**Kick-start**  
**2 weeks**

Connect Practice Learn

**Power Up**  
**8 weeks**

Connect Practice Learn

**Launch**  
**2 weeks**

Connect Practice Learn

# A day in the life of a Student

+ **09:00**  
**MORNING**  
Learn & Practice  
several concepts a day

+ **13:00**  
**AFTERNOON**  
Project-Oriented tasks

+ **18:00**  
**AFTERNOON**  
Extra Events



## Témoignages...

« Né à Kinshasa, Congo, j'ai fait l'école privée jusqu'à mes 19 ans. J'ai eu mon bac congolais avec mention bien. Comme études supérieures, j'ai voulu faire Science Informatiques mais faute de matériaux, il fallait que je les poursuive à l'étranger, plus précisément en Tunisie. Trois ans après, j'ai changé de filière après avoir découvert ma vraie passion: l'Entrepreneuriat. Je n'ai pas du tout regretté mon choix puisque à peine 5 mois de cette transition, j'ai gagné un concours d'entrepreneuriat social au Sénégal. Ce qui m'a inspiré à monter ma propre start-up M-Agribiz. C'est ce qui m'a fait comprendre que ce n'était pas la peine de laisser l'informatique pour le business mais plutôt, c'était possible de combiner les deux. Voilà pourquoi je suis à Go My Code. J'aimerais bien partager avec vous ce verset de la Bible qui résume ma vision: Philippiens 4:13 **"Je puis tout par celui qui me fortifie."**

« Etre jeune pour certains, c'est être irresponsable et paresseux, mais c'est tout à fait le contraire. En tant que jeune je peux vous affirmer qu'on est dynamique et plein de potentiel, c'est juste qu'on ne se trouve pas dans un environnement adéquat. Go My Code offre un environnement adéquat pour l'épanouissement des jeunes. Avoir des instructeurs compétents et jeunes, donne à l'apprentissage un nouveau goût. A part l'expérience du codage, j'ai fait plusieurs amis, passionnés également par les sciences et la technologie mais aussi le théâtre et le social. En un mot, GoMyCode n'est pas juste une simple école mais une famille.»

# learn.

## + Kick-start + Power up

HTML  
CSS  
JavaScript

**2 weeks**

### Mastering JavaScript

- ES5 / ES6
- JS instantiation patterns
- Asynchronous patterns
- Promises

### Client Side Concepts

- Responsive design
- MVC
- Ajax

### Database concepts and Technologies

- SQL
- MongoDB
- ORMs

### Server side concepts

- Npm
- NodeJS
- ExpressJS
- Authentication and authorization

**8 weeks**

## + Launch

### Workflow

Automation  
(webpack)  
Optimization  
Debugging  
Deployment

### Team Dynamics

Agile workflow  
Iterative development  
Advanced git technique

**2 weeks**

# Practice.

## Kick-start

Solve dozens of programming problems on daily basis

**2 weeks**

## Power up

Mini projects  
Practice exercises

**8 weeks**

## Launch

Finalize  
the Product

**2 weeks**



# Connect.



## Kick-start

Ice breaker  
Meet community  
Meet partners  
Ideation

**2 weeks**

## Power up

Tech & Entrepreneurship talks

- UX/UI
- OSS
- Freelance
- Coding best practices
- Tech trends
- Remote teams
- Business
- Hacker mentality

**8 weeks**

## Launch

Interviewing  
Shipping  
Build automation  
Demo day

**2 weeks**



# Weekly Breakdown.

# Month 1 Web foundation

## Week 1

- Get familiar with a text editor
- Get familiar with command line
- Build a static webpage with HTML
- Add styling with CSS
- **Project: Build your portfolio**

## Week 2

- Get familiar with command line
- Use Bootstrap to layout webpages
- Manipulate the DOM with jQuery and vanilla JavaScript
- Reach more devices with responsive design
- **Project: Build an interactive chat app**

## Week 3

- Manage project history with git
- Basic and advanced data structures in JavaScript
- JavaScript instantiation patterns
- **Project: Random quote machine**

## Week 4

- Modularize your code with ES2015 modules
- Get comfortable with the basic of functional JavaScript
- Learn how to implement AJAX calls
- **Projects: Wikipedia app / Weather app**

# Month 2 Frontend foundation

## Week 5

- Introduction to reactJS
- Get familiar with the concept of a Component
- Write a single-component react app
- Write multi-component react app
- **Projects: Todo list in react (part 1) / Movie app in react (part 1)**

## Week 6

- User pure functional component
- Use immutable data structures (immutable js)
- Manage application states with Redux part 1
- **Projects: Todo list in react (part 2) / Movie app in react (part 2)**

## Week 7

- Manage application states with Redux part 2
- Add routing to your app with react-router
- Implement AJAX calls using axios
- Test your application using Jest and Enzyme
- **Project: news app using the Guardian API**

## Week 8

- Solo learning week no new material student work on their own apps.



# Month 3 Backend foundation

## Week 9

- Introduction to NodeJS
- Introduction to Promises
- Introduction to Express framework
- **Project: Build a restful API**

## Week 10

- Introduction to MongoDB
- Implement CRUD operations
- Schema design
- Mongoose ODM
- **Projects: Build an application backed by MongoDB**

## Week 11

- Authentication vs Authorization
- Creating a Google sign-in
- Creating a local permission system
- Adding Facebook and other providers
- **Project: graduation project part 1**

## Week 12

- Accessing Published API
- Creating your API endpoints
- Securing your API
- Writing developer friendly API
- **Project: graduation project part 2**

# Tuition & Financing Options.



The cost of the program is 2000 TND (for the 3 months of the program - Monday-friday 9h-18h)  
The candidate pays 1000 TND to reserve his spot then pays the rest during the first month of the program.

Our micro-finance ENDA Tamweel can give a credit for students aiming to join the program. Please send us an email if you are interested.



# Campus & Contact Info.

## Perks include

- 24/7 access to the hackerspace*
- Free snacks and swag*
- Access to part time programs*
- Access to Mentors and frequent networking events.*

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# Partners.





 Thank you.