

# MIQUEL TORNER VIÑALS

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📍 Barcelona, Spain

## EXPERIENCE

### Undergraduate Teaching Assistant

[Polytechnic University of Catalonia](#)

📅 Sep 2021 - Jan 2022 & Oct 2022 - Jan 2023 📍 Barcelona, Spain

In “Aula Lliure” program at the FIB-UPC, in which I supported first year students with the subject “Programming 1”.

- Resolved doubts and presented further course topics such as data structures and algorithms
- Reviewed students’ work and provided feedback
- Prepared students for evaluations through mock exams

C++

Data Structures

Algorithms

### STEP Intern

[Google, Assistant Team](#)

📅 July 2022 - Sep 2022 📍 Zürich, Switzerland

Implemented an android widget that provides shortcuts to one of the Google app functionalities.

Android

Java

Front-End

### Computer Technician

[Gestió Informàtica Blanes](#)

📅 April 2019 - June 2019 📍 Blanes, Spain

- Computer repairing and upgrading
- System updating and optimization
- Server and virtual machines administration

Software Management

Hardware Management

OS Troubleshooting

Windows Hyper-V

## PROJECTS

### Plushistics

[Github](#) [Devpost](#)

A 2D interactive simulator which uses planning algorithms to optimize routes developed at Royal Hackaway2023

C#

Unity

PDDL

### Chips Chips

[Github](#) [Devpost](#)

Developed an algorithm during the FME Datathon 2022 to minimize the average length of the strings on the pins of a chip, thus minimizing the power loss on the chip.

Python

NumPy

Pandas

StreamLit

## EDUCATION

### Informatics engineering

📅 2020 - 2024 (Expected)

📍 Polytecnic University of Catalonia

📍 Aalto University - Semester abroad fall 2023

### BIT Summer Program

📅 July 2023

📍 Beijing Institute of Technology

### Technologic Baccalaureate

📅 2018 - 2020

📍 IES Serrallarga

## SKILLS

C/C++

Java

Python

Javascript

HTML

Wordpress

## LANGUAGES

- **English:** Professional working proficiency
- **Spanish, Catalan:** Native or bilingual proficiency

## VOLUNTEERING

### Fibvisiona

Helped with the organization of my college company fair 2023 event to facilitate students grow their network.

### Amics Joan Petit Nens amb Càncer

From 2018 to 2022 I supported the mail service of a non-profit organization and updated their webpage on a monthly basis.

## FIND ME ONLINE

🌐 [www.github.com/miquelt9](https://www.github.com/miquelt9)

[in](https://www.linkedin.com/in/miqueltv) [www.linkedin.com/in/miqueltv](https://www.linkedin.com/in/miqueltv)

[D](https://www.devpost.com/miqueltorner9) [www.devpost.com/miqueltorner9](https://www.devpost.com/miqueltorner9)

🌐 [miquelt9.github.io](https://miquelt9.github.io)