



David Falces Montón

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ABOUT ME

I'm currently studying the MSc in Computer Science at the IT University of Copenhagen. Originally from Barcelona, Spain, I obtained my BSc in Computer Science from the Polytechnic University of Catalonia, during which I specialised in Software Engineering. I'm a native speaker of Spanish and Catalan, I have a C2.1 level of English, and a B1+ level of Danish.

WORK EXPERIENCE

Motorola Solutions

City: Copenhagen | Country: Denmark

[09/2023 – Current] **Student Worker - Software Engineering**

EDUCATION AND TRAINING

[08/2023 – Current] **Master of Science in Computer Science - Security Specialization**

IT University of Copenhagen

<https://en.itu.dk/Programmes/MSc-Programmes/Computer-Science>

Address: Rued Langgaards Vej 7, DK-2300, Copenhagen S, Denmark | Type of credits: ECTS | Number of credits: 120

[09/2019 – 06/2023] **Bachelor Degree in Informatics Engineering - Specialisation in Software Engineering**

Barcelona School of Informatics - Polytechnic University of Catalonia <https://www.fib.upc.edu/en/studies/bachelors-degrees/bachelor-degree-informatics-engineering>

Address: Campus Nord, C/Jordi Girona Salgado,1-3, 08034, Barcelona, Spain | Type of credits: ECTS | Number of credits: 240

4-year-long BSc, as it is standard in Spain.

[08/2022 – 02/2023] **Erasmus exchange at Denmark while doing the Bachelor Degree in Informatics Engineering**

IT University of Copenhagen <https://en.itu.dk/>

Address: Rued Langgaards Vej 7, DK-2300, Copenhagen S, Denmark | Type of credits: ECTS | Number of credits: 30

[06/2025] **Prøve i Dansk 2 - B1+ Danish Certificate**

Styrelsen for International Rekruttering og Integration

City: Copenhagen | Country: Denmark |

Grades

On the Danish 7-point grading scale

- Written part: 12
- Spoken part: 10
- Average: 11

[09/2021 – 06/2022] **ACLES English Certificate: CEFR Level C2.1**

Escola d'Idiomes Moderns - University of Barcelona <https://www.eim.ub.edu>

City: Barcelona, Catalonia | Country: Spain |

[09/2020 – 06/2021] **ACLES English Certificate: CEFR Level C1**

Escola d'Idiomes Moderns - University of Barcelona <https://www.eim.ub.edu>

City: Barcelona, Catalonia | Country: Spain |

[2019] **Integrated Skills in English II: CEFR Level B2**

[05/2020 – 07/2020]

HTML, CSS, and JavaScript for Web Developers

John Hopkins University / Coursera <https://www.coursera.org/learn/html-css-javascript-for-web-developers>

[09/2017 – 06/2019]

High School Degree in Science

Col·legi Claret de Barcelona <https://www.claretbarcelona.cat>

City: Barcelona, Catalonia | Country: Spain |

VOLUNTEERING

[10/2024 – Current]

Board Member in the stage, sound and light committee Tietgen Festival

Contributing to the organization of the 2025 and 2026 editions of Tietgen Festival as a Board Member and volunteer in the stage, sound, and lighting committee.

The 2025 edition hosted around 1.700 guests and featured artists such as Barcelona, Den Sorte Skole, Patina, and Lisa Fosmark - which transformed Tietgenkollegiet into a vibrant festival ground.

[02/2025 – Current]

Treasurer and board member Kollegierådet på Tietgenkollegiet

Board member of the residents association at Tietgenkollegiet. Primarily responsible for accounting, bookkeeping, and VAT reporting, ensuring overview and financial order in the association.

LANGUAGE SKILLS

Mother tongue(s): Spanish , Catalan

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Danish

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

TECHNOLOGIES USED

Programming languages

Bash, C, C++, C#, Groovy, Java, Python, SQL, HTML, CSS, and JavaScript.

Frameworks and libraries

Jenkins, FastAPI, Robot Framework, Selenium, and JUnit.

Backend tools

KVM, ESXi, Ubuntu Server, RedHat Server, MySQL, Oracle Database and PostgreSQL.

Development tools

Git, GitHub, Bitbucket, GitLab, Jira, Confluence, Make, and Visual Studio Code

Operating Systems

Linux (both desktop and server), MacOS, and Windows

Text Processing

LaTeX, Overleaf, Markdown, Microsoft Office, LibreOffice, and Google Workspace

PROJECTS

[05/2025 – Current]

Tietgen Booking App

- Currently developing a booking system to be used at Tietgenkollegiet,
- In collaboration with the administration at Tietgenkollegiet.
- Technologies used: FastAPI, React, PostgreSQL, Python, Javascript, SQL.

[06/2025 – 09/2025]

Platform for donations to Fonden Tietgenkollegiet

- Developed a website and backend system to process donations to Fonden Tietgenkollegiet, focusing on simplicity and data security.
- The system collects the information required from the donors and facilitates the payment using MobilePay.
- Developed in collaboration with the administration at Tietgenkollegiet and currently in use.
- Technologies used: JavaScript, HTML, and CSS.

[06/2024 – 04/2025]

Beerfridge system

- Forked, improved and deployed a "beerfridge" system for my dorm kitchen, where people can enter the beverages they consume and get a bill at the end of the month (with some fun add-ons).
- The system is currently in use by around 25 people at Tietgenkollegiet.
- Technologies used: Angular CLI, Node, NPM, JavaScript, HTML, and CSS.

[29/04/2022 – 01/05/2022]

LoPibe (at HackUPC 2022)

- Developed a web-based casual word game.
- Developed in a team of four in the 36 hours that the hackathon lasted.
- Technologies used: HTML, CSS, JS, Java, MySQL, Tomcat, Git and GitHub.
- Won the second prize of IThinkUPC's challenge, which was to make a web-based casual game.

[23/10/2022 – 24/10/2022]

MonoCat (at Hackathon #ComprometidosPorElFuturo Boehringer Ingelheim)

- Developed a mobile application to monitor and improve a pet's health.
- Developed in a team of four during the hackathon.
- Technologies used: Java, Android Studio, MySQL, Git and GitHub.

[02/2022 – 06/2022]

RevPollution

- Developed an app that shows the current air pollution, as well as historical data, forecasts and personal statistics for each user.
- Developed in a team of seven during a university course, using Agile methodologies.
- Technologies used: In the frontend: Flutter, Dart, Google Maps SDK, Google Maps Places API and Google Authentication API; in the backend: Ubuntu Server, Java, Jersey, Tomcat, JUnit and MySQL; in both: Git and GitHub.
- The project was marked with an 8.9/10 in the course.

[02/2022 – 06/2022]

Social News Website

- Developed a website where users can post news and comments to these, mimicking aesthetic and functionalities of the "Hacker News" website.
- Developed in a team of four during a university course.
- Technologies used: Ruby on Rails, HTML, CSS, JS, OpenAPI, Google Sign-In, Heroku, Git and GitHub.
- The project was marked with a 9.4/10 in the course.

Matador Inflationsberegner

- Developed a website that calculates the equivalent value of a given amount of money from an episode of the Danish TV series Matador in today's currency.
- Technologies used: JavaScript, HTML, and CSS.

DR Translator

- Developed a small program which translates DRs subtitles to English.
- Technologies used: JavaScript.