

# Baptiste Etroy

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## SUMMARY

Entrepreneurial computer science student with a strong foundation in programming, data analysis, and machine learning. Proven ability to lead tech-driven projects from conception to implementation, blending academic insights with practical application.

## EDUCATION

### IE UNIVERSITY (IEU)

Madrid, Spain

#### Bachelor in Computer Science and AI (BCSAI)

- Relevant subjects/skills: Advanced mathematics, programming (multiple languages), data analysis, machine learning, software engineering and Artificial Intelligence.

Expected: July 2026

### Lycée Francais Charles de Gaulle

London, UK

#### French Baccalaureate

- Graduated High Honours ("Mention très bien") – 90.0% in Mathematics, 100.0% in Computer Science

Graduated: July 2022

## EXPERIENCE

### Resilience Care

Remote(Paris/London)

#### Data Engineering Intern

May 2024 - July 2024

- During my internship at Resilience Care, I quickly integrated into the Data Engineering team and contributed to enhancing the company's data observability. I was tasked with monitoring the data including measuring the data completeness, accuracy, uniqueness, consistency, integrity etc... I automated SQL tests for the Data Warehouse and integrated a dashboarding tool to visualise and diagnose test failures. Additionally, I set up an alerting system for real-time issue detection, improving overall data quality. I also defined and implemented new data quality indicators to ensure data accuracy and consistency throughout the data pipeline. Was working principally with SQL, YML, Python, Bash and Github.

### I.E Tutoring

Madrid, Spain

#### Co-Founder

September 2023 - Present

- Co-founded a tutoring service dedicated to connecting students with tutors across a range of subjects. Actively working as a tutor while also managing the team to ensure high-quality service delivery as well as overseeing marketing, communication and accounting. Designed and developed the frontend website and an independent backend to automate processes, operating mostly through APIs. Link: [ietutoring.com](http://ietutoring.com)

### GetMeal

Segovia, Spain

#### Co-Founder

November 2022 - July 2023

- Co-founded a marketing and discount platform for Segovia's restaurants in Spain, offering cost-effective dining options for students. Leveraged university ties, social media and a website for promotion; balancing affordability for students with increased visibility for businesses.

## EXTRACURRICULAR ACTIVITIES

- Football Assistant Coach at Goalstriker Academy** for two seasons, of 15 young players weekly (London, UK. 2020 – 2021)
- Summer Program at IE University:** Studied Computer Science and Data Analytics at IE. (Madrid. 2021)
- Summer Program at Oxford Royale Academy:** Introduced the fundamentals of cryptography and web development (2019)

## Personal Projects

- Custom Programming Language:** Built entirely from scratch—complete with its own lexer, parser, and interpreter—A language for the help the british youth code using slang: Ladbroke Grove (C)
- Huffman Compressor/Decompressor:** Implemented a classic, lossless compression/decompression program using Huffman Encoding. Fit with very friendly UI/UX (C++, python, HTML)
- IE Bank Webapp:** Developed (with a team) a cloud-based banking web application simulating banking processes like user authentication, admin management, creation of accounts and transactions fully secure. The platform infrastructure is hosted on Azure with integrated site reliability logs.

## ADDITIONAL INFORMATION

- English** (Native). **French** (Native). **Spanish** (Proficient).
- Programming languages:** Expert in Python, HTML, CSS and SQL; and proficient in Javascript, C and C++