

# Mathias Huque

📍 Montevideo, Montevideo, Uruguay ✉ contact@mathiashuque.dev 🌐 in/mathias-huque 🖱 mathiashuque.dev

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## SUMMARY

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Results-driven software developer focused on clarity, maintainability, and clean architecture. Delivers pragmatic, high-quality solutions aligned with user and business needs, while continuously learning to build efficient, scalable applications.

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## EXPERIENCE

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### Professor - Fundamentals of Computing

ORT University Uruguay

February 2026 - Present, Montevideo, Uruguay

- Apply mathematical reasoning to model programs as computable functions, verifying correctness against specifications ( $\geq 90\%$  of solutions validated).
- Write modular functional code using pure functions, immutability, recursion, and theory-based data representations ( $\geq 80\%$  side-effect free; all core models from formal definitions).
- Translate specifications into precise function definitions, maintaining alignment between requirements and implementation ( $\geq 90\%$  of tasks completed without rework).

### Teaching Assistant - Data Structures and Algorithms I

ORT University Uruguay

March 2025 - December 2025, Montevideo, Uruguay

- Led hands-on sessions on data structures and algorithms ( $\geq 30$  students per term; average ratings  $\geq 4/5$ ) and provided targeted tutoring that improved assignment scores for  $\geq 70\%$  of assisted students.
  - Authored exercises and solution guides with actionable feedback ( $\geq 20$  problem sets; turnaround  $\leq 1$  week) and contributed updates adopted in 100% of subsequent course offerings.
  - Designed and maintained C++ programs and scripts for coursework and demonstrations ( $\geq 2k$  lines of instructional code).
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## PROJECT

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### Portfolio

Personal portfolio • [www.mathiashuque.dev](http://www.mathiashuque.dev) • February 2026 - February 2026

- Personal developer portfolio showcasing projects built with modern technologies across web, backend, and tooling.
  - About section highlighting 7 years of programming experience, academic background, and technical focus areas.
  - Includes 3 professional contact channels (GitHub, LinkedIn, email) for recruiters and collaborators.
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## EDUCATION

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### Systems Engineering

ORT University Uruguay • Montevideo, Uruguay • 2027

- Final-year Systems Engineering Student, Expected to graduate on March 2027.

### Software Engineering Bachelor's Degree

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- Focuses on designing, developing, testing, and maintaining software systems, with strong foundations in programming, algorithms, architecture, databases, and engineering best practices to build reliable, scalable applications.
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## SKILLS

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**Programming languages:** C++, C#, JavaScript, TypeScript, Python, Java, SQL

**Frontend:** Angular, React, Next.js, React Native, HTML5, CSS, Tailwind CSS

**Backend:** Node.js, Express.js, NestJS, .NET, EF Core, GraphQL, REST APIs

**Databases:** PostgreSQL, MySQL, MongoDB, SQL Server, Prisma, Sequelize, Mongoose

**Cloud & DevOps:** AWS, Google Cloud, Azure, Docker, Git, GitHub, CI/CD, Linux, Vercel, Firebase

**Testing:** Jest, Jasmine, Cypress, Cucumber

**Tools & Other:** Postman, Figma, Scrum, Agile

**Languages:** English C2 Proficiency, Spanish Native