

# PATRICIO BRUNO

• developer •

## EXPERIENCE

### Front-End Developer at New Technologies (february to june 2020)

Was responsible for the development of an enterprise web application in Angular, following Material Design guidelines. Some notable milestones include:

- Implementation of Server Sent Events
- Generation of charts and KPIs
- Development of a full-fledged cache system for optimized performance (including cache invalidation and cache dependencies)
- Responsive design
- OAuth client implementation for user authentication and authoriaztion
- Created a custom components library based on Angular Material
- Worked on internationalization and localization strategies

### Fullstack Developer at New Technologies (june 2020 - ongoing)

Joined the development of the REST server written in C# while continuing to work on the front-end. This included:

- Developing an OAuth Authorization Server, OAuth Resource Server and OAuth Desktop client from scratch.
- Working with different kinds of encryption standards
- Managing databases with SQL Server Management Studio
- Automatic code generation
- Contributing to open source projects
- End to end testing using Cypress
- Designing and performing load and stress tests on the server

### Other Projects

- Ventured into data science and machine learning using mostly Python (with libraries such as Pandas, Sklearn, NumPy and SciPy) as part of college projects
- Developed a basic operating system with support of multitasking which provided deep insights into the inner workings of CPUs and modern memory management
- Created a tailored business management system using PHP, MySQL and Javascript as part of my high school's final project.

These projects, as well as many others, can be found on my Github profile.

## EDUCATION

2013 - 2017 • ORT High School.  
Specialized in Information Technologies. Graduated with honours.

2018 - ongoing • Bachelor's degree in Computer Science at University of Buenos Aires.

16 out of 23 courses completed  
Average score : 8.88

## LANGUAGES

2017 - Cambridge English: Advanced (CAE) (C2 Level). Grade A.

## TECH SKILLS

- |              |                            |
|--------------|----------------------------|
| • Javascript | • SQL Server Mgmt. Studio  |
| • Typescript | • Photoshop                |
| • C/C++      | • Illustrator              |
| • .NET (C#)  | • Git                      |
| • HTML       | • Apache Velocity          |
| • CSS        | • Microsoft Owin           |
| • SQL        | • OData protocol           |
| • PHP        | • OAuth protocol           |
| • Python     | • Cypress, Karma & Jasmine |
| • NodeJS     | • Pandas, NumPy            |

## EXTRA COURSES TAKEN

- Quantum Structures & Quantum Information (Quantum computing and information course) (certificate)