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)
- OAuth client implementation for user authentication and authoriaztion
- Created a responsive 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

Machine Learning & Data Science at New Technologies (april 2022 - ongoing)

- Designed a Deep Learning model based on Siamese Neural Networks to perform Entity Matching and Candidate Ranking, implemented it using Pytorch

Other Projects

- Created a tailored business management system using PHP, MySQL and Javascript as part of my high school's final project.
- College projects including a regex parser and engine, a basic multi-tasking operating system, a tracerouting tool, different concurrent data structures, etc.

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.

22 out of 27 courses completed
Average score : 9.17

LANGUAGES

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

TECH SKILLS

- Typescript
- C/C++
- .NET (C#)
- HTML/CSS
- SQL
- Python
- NodeJS
- Haskell
- Prolog
- Smalltalk
- SQL Server Mgmt. Studio
- Git
- Apache Velocity
- Microsoft Owin
- OData protocol
- OAuth protocol
- Cypress, Karma & Jasmine
- Pandas
- Pytorch
- NumPy

EXTRA COURSES TAKEN

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

11-6906-4302 • pdbruno@gmail.com • github.com/pdbruno