






# NUNO CRUZ

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## EXPERIENCE

2016 – Present **Front-end Engineering** (*August 2016 - Present*)  
*Feedzai*

**Project:** Genome (*August 2019 - Present*)

**Description:** Genome is the most recent product from the core products at Feedzai. This product aims to help fraud investigators to find fraud patterns by looking at all the entities involved in transactions. In particular, the information is presented in a graph-based way which helps them to understand the relationships between all parties .

**Responsibilities:** Nuno is the lead front-end developer on Genome.

**Technologies/Frameworks:** Javascript (ES6), canvas, Sass, React, Redux, Jest, Cypress and Webpack.

**Project:** Case Manager (*August 2016 - August 2019*)

**Description:** Case Manager is one of the core products at Feedzai to fight fraud. In particular, this product's goal is to help fraud analysts to decide whether a transaction is fraud or not.

**Responsibilities:** As the lead front-end developer, Nuno was involved in the product development since its early stage. As new members joined the team, Nuno was also responsible for onboarding and mentoring them into the team.

**Technologies/Frameworks:** Javascript (ES6), Sass, React, Redux, Jest and Webpack.

**Project:** UIKit (*August 2019 - Present*)

**Description:** UIKit is our internal UI library containing a set of React components to be shared across Feedzai products.

**Responsibilities:** Nuno is the maintainer of the project.

**Technologies/Frameworks:** Javascript (ES6), Sass, React, Jest and Webpack.

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2015 – 2016 **Software Developer** (*January 2015 – July 2016*)  
*InnoWave Technologies*

**Project:** InnSpect (*August 2015 – July 2016*)

**Description:** InnSpect is an automated testing solution that replicates user interactions on STB's, web browsers and mobile devices.

**Responsibilities:** As front-end developer, Nuno was responsible for refactoring the front-end solution along with the implementation of new features for the InnSpect portal. When required, he also helped in the back-end core development.

**Technologies/Frameworks:** HTML, CSS, Javascript, ASP.NET (4.6), ASP.NET MVC 4 and SQL Server 2012.

**Project:** Storage application for leading cable operator in Portugal (*May – August*)  
**Description:** Storage application developed for STB and iOS/Android/Windows8 mobile platforms.  
**Responsibilities:** Nuno had full responsibility over the STB platform, from designing the architecture to developing the application.  
**Technologies/Frameworks:** JavaTV.

**Project:** Research of new development approaches for TV Applications. (*March – May*)  
**Description:** Research of new methods to improve the performance in TV applications developed using web technologies.

**Responsibilities:** Nuno developed new technical approaches to page rendering that improved performance by more than 35%.

**Technologies/Frameworks:** HTML, CSS and Javascript.

**Project:** Gaming applications for leading cable operator in Portugal. (*January – March*)

**Description:** Gaming applications for Set-top boxes using web technologies.

**Responsibilities:** Nuno was responsible for developing several gaming applications using web technologies.

**Technologies/Frameworks:** HTML, CSS, Javascript and BackboneJs.

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2013 – 2014

**Software Engineer/Researcher**

*Faculdade Ciências e Tecnologia, UNL*

**Scope:** Master's thesis.

**Project name:** Reactive Hybrid Knowledge Bases

**Grade:** 17

**Description:** Development of a system to the Semantic Web that combines hybrid knowledge bases with reactive rules (Event-Condition-Action rules). The goal of this system is to monitor and execute actions over the hybrid knowledge base. The system is integrated (as a plug-in) with Protégé. To detect events, ETALIS system (Complex Event Processing system) was used as a starting point. The reactive system is implemented in XSB Prolog, while the integration with the Protégé is implemented using Java. To enable the communication between Java and XSB Prolog, the InterProlog framework is used.

**Technologies/Frameworks:** Java, Prolog, Interprolog and ETALIS.

## EDUCATION

2012 – 2014

**Master's degree in Computer Science**

*Universidade Nova de Lisboa, Lisboa*

Final grade: 15

2009 – 2012

**Bachelor's degree in Computer Science**

*Universidade Nova de Lisboa, Lisboa*

Final Grade: 14

2007 – 2009

**Secondary education**

*Escola Secundária da Lourinhã*

Curso Tecnológico da Informática

## CERTIFICATIONS

### **Docker Mastery: The Complete Toolset From a Docker Captain**

*Udemy*

### **Certified ScrumMaster**

*Scrum Alliance*

November 2017

### **Oracle Certified Associate, Java SE 8 Programmer**

*Oracle*

November 2015

### **Build Web Apps with React JS and Flux**

*Udemy*

January 2016

### **JavaScript: Understanding the Weird Parts**

*Udemy*

March 2016

## LANGUAGES

**Portuguese:** Native language

**English:** Secondary language<sup>1</sup>

Listening: B2

Reading: B2

Spoken interaction: B1

Spoken production: B2

Writing: B2

<sup>1</sup>Assessment according to the self assessment grid developed by Council of Europe.

<https://europass.cedefop.europa.eu/pt/resources/european-language-levels-cefr/cef-ell-document.pdf>