

# — Arthur Xavier Gomes Ribeiro —

Rua JA, 18 - Contagem, Brazil • +55 31 98353 0924 • [arthur.xavierx@gmail.com](mailto:arthur.xavierx@gmail.com) • [arthurxavierx.github.io](https://arthurxavierx.github.io)

## Skills

JavaScript (ES6+), HTML5, CSS3, React, Angular, TypeScript, Node.js, PureScript, Haskell, Elm, C/C++, C#, Java, Python, SQL, Git, domain-driven development, test-driven development, OpenGL & GLSL, Unity3D, Linux.

## Languages

Portuguese, English, German, French, Irish (Gaeilge), Spanish.

## Experience

FEB 2018 – Front-End Engineer

*Dito*

Lead developer of a CRM web application for sellers in physical stores. Manages a two-person team using an Agile methodology.

DEZ 2015 – MAR 2017 Research & Development Intern

*take*

Lead front-end developer of the *blip.ai* portal, a platform for creation and management of chatbots. Took part in the implementation of features for a distributed system and ported open source messaging libraries, both using a test-driven methodology.

OCT 2015 – MAR 2016 Freelance Full-stack Web Developer

*Bitfusion.io*

Development of web applications with the MEAN Stack and design of static web pages.

MAR 2014 – JUN 2014 Undergraduate Researcher

*VerLab, Universidade Federal de Minas Gerais*

Development of an Android prototype application for the generation of 3D models from two-dimensional sketches.

OCT 2013 – MAR 2014 Undergraduate Researcher

*VerLab, Universidade Federal de Minas Gerais*

Research on RENDERING AND SIMULATION OF UNDERWATER ENVIRONMENTS in the Computer Graphics area with paper accepted to the ICPR 2014 conference.

## Education

- 2013 – Computer Science Undergraduate Student  
*Universidade Federal de Minas Gerais*
- 2014 – 2015 Computer Science Exchange Student  
*Technische Universität Dortmund*
- 2010 – 2012 Technical High School in Informatics  
*CEFET-MG*

## Talks

- 21 OCT 2017 On programs and functions: thinking abstraction  
*InterCon 2017*
- 23 JUN 2017 Functional programming in JavaScript: how and why?  
*JS Experience 2017*
- 30 MAR 2017 Functional programming for applications: thinking correctness  
*19º Encontro Locaweb Belo Horizonte*

## Awards

- 2012 1st place  
*Olimpíada de Algoritmos Hostnet*
- 2011 2nd place  
*Olimpíada de Algoritmos Hostnet*

## Interests

### Front-end web development

Declarative UIs, formal models of UIs, WebGL, rich web experiences and compile-to-JS languages.

### Programming languages

Practical applications of functional programming and advanced type systems.

### Graphics programming

Non-photorealistic rendering, game development, procedural generation, generative art and experimental interactivity.