

Felipe Tuyama de Faria Barbosa

Computer Engineer

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Education

INSTITUTO TECNOLÓGICO DE AERONÁUTICA – ITA

Feb 2013 - Dec 2017

Graduation: Computer Engineering

São José dos Campos, SP

Experience

INFINITUS GO – **Senior Software Developer**

June 2019 – Now

Software developer responsible (along my co-worker) for building cryptocurrency financial market application, on several platforms (web, backend intensive, mobile, chrome extension).

Built tools such as a complete Trading platform using Angular, Spring and Elixir; A mobile portfolio app using Flutter technology; And many different investment robots using Python 3 and integrated to famous exchanges like Binance, Huobi and Blockchain.

QUERO EDUCATION - **Full-Stack Web Developer**

Jan 2018 – June 2019

Full-stack web developer mastering Ruby on Rails and Phoenix frameworks, specially Elixir language. Building many microservices using the best devops practices (Terraform, CI/CD using Gitlab, Docker and AWS services). Also, enjoying front-end tools such as Vue.js and Nuxt.

QUERO EDUCATION - **Intern Web Developer**

Jan 2017 – June 2017

Internship as a full-stack web developer using Ruby on Rails framework and agile software development. Joined the content team to improve and completely refactor the team's section on Querobolsa's site, using technologies such as Sidekiq, Chef recipes and Docker.

GUICHÊ VIRTUAL - **Intern Mobile/Web Developer**

Feb 2016 – Nov 2016

Internship experience working with native iOS mobile development (Objective-C on Xcode), web services, design patterns and revision control system. Agile development using SCRUM. Also worked as backend web developer using Spring framework and Groovy language.

Undergraduate Thesis

The thesis studies the EEG signals and their characteristics, using neural networks of deep learning to model high level abstractions. The elaborated algorithm was used to control a robotic arm, culminating in the proof of concept of a BCI (Brain Computer Interface) application.

http://www.bdiita.bibl.ita.br/TGsDigitais/lista_resumo.php?num_tg=73814

Personal Projects

June 2019 – Now: **Crypto Indicator**, an open source tool to monitor and display your favorite cryptocurrency in several different exchanges, beeping custom alarms when prices suddenly change.

Sep 2016 – Dec 2016: **Crono**, a web calendar application using Node.js and Angular.js, developed by hobby. Crono integrates Google and Facebook events, adding extra features using, allowing a “Kanban mode”. Also includes a chat using Redis cache as content storage. <http://crono.herokuapp.com/>

Mar 2015 – Jun 2015: **Bizuca**, an Online Shooter Game. The Java Server supports multiplayer game using multithreading and a simple users database. The browser client uses sockets communication.

Dev Languages

Ruby/Elixir (3 years)

★★★★★★★★★

Javascript (4 years)

★★★★★★★★★

Python (3 years)

★★★★★★★★★

Java (3 years)

★★★★★★★★★

Dev Skills

Web Dev (Rails, Phoenix, Django)	★★★★★	Front-end (Angular, Vue.js)	★★★★★
Database (PostgreSQL)	★★★★★	Mobile (Android, Flutter)	★★★★★
Devops (AWS, CI/CD Terraform)	★★★★★	Machine Learning	★★★★★

Languages

English (Advanced)	★★★★★★★★★★	German (Basic)	★★★★★
Spanish (Basic)	★★★★★		

Awards

- Award 'Professor Celso de Renna e Souza' at ITA <http://www.ita.br/noticias169>
 - Brazilian Astronomy Olympiad in High School (OBA): Gold Medal 2012, Gold Medal 2011
 - Brazilian Physics Olympiad in High School (OBF): Gold Medal 2012, Bronze Medal 2010
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