

# Fabricio Tramontano Pirini

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## Skills

### Programming

Javascript Python Bash NoSQL and SQL Clojure HTML CSS

### Technologies

React Redux Node Express GraphQL BeautifulSoup Selenium Docker Git

## Experience

### Sportradar

Oslo, Norway

FRONT-END ENGINEER

Sep 2018 - Present

- Implemented Web user interface employing object-oriented design using *React/Redux*, *REST API*, *Node.js* and *Express.js*
- Improved web crawlers to take up to 120x less time and 10x fewer resources to perform data acquisition and data processing by applying code optimizations, refactoring and minifying the build and deploy process
- Improved developer experience by reducing in 70% the issues during project deploy by migrating and improving CI/CD from Jenkins to Gitlab, creating its dev and release pipelines and applying containerization techniques with *Docker*
- Connected 5 *Python* services project services to a *NoSQL* database (*MongoDB*)
- Helped a team of 9 people on improving its software development process by implementing Agile development methodologies and use Scrum and Kanban frameworks more effectively

### Samsung Instituto de Desenvolvimento para a Informatica - SIDI

Campinas, Brazil

PROJECT MANAGER OFFICE INTERN

Jan 2017 - Jan 2018

- Increased company transparency by creating 5 weekly reports for TVP/KPIs metrics on local projects and reported it to section director and internal documents as PMO assistant
- Spoke at conferences related to Web Accessibility design and user experience (Around Us, SPIN Campinas) and IoT (SBIAgro, internal presentations)
- Assisted on IoT projects with Samsung Artik boards and Samsung Cloud and integrated them using *NODE-Red* and *MQTT* to exchange, store and display relevant metrics with collected data
- Designed and implemented from scratch the Web Accessibility portal by using plain *Javascript*, *HTML* and *CSS*, achieving Level AA of WCAG 2.0 conformance and developing tools to aid future researches
- Renewed old reporting system by replacing Excel Spreadsheets with a new and automated report system by using *SQL Server Reporting Services* and *Power BI*

## Education

### Universidade Federal de Itajuba - UNIFEI

Minas Gerais, Brazil

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

Mar 2011 - Jul 2018

- Researcher at the *Computation Applied to Engineering* (CAE) research group
- Co-founded and Counsellor at Computer Engineering Student Union
- Attended to code marathon/hackathon study groups for 2 semesters
- Coordinated my team twice at the *Startup Weekend* event, ranked 2nd place in the 1st edition

### University of Toronto

Toronto, Canada

VISITING INTERNATIONAL STUDENT MAJORING IN ELECTRICAL AND COMPUTER ENGINEERING

Jul 2013 - Dec 2014

- Selected by the Brazilian government and former university for an 18-month non-degree exchange program with fully-funded scholarship at University of Toronto based on leadership potential and academic success
- Simulated and implemented Branch Prediction Theory concepts as a summer research assistant

## Projects

### Marketplace for selling shoes

Apr 2020

JAVASCRIPT, GRAPHQL

- Built a web application using *React*, *GraphQL*, *Apollo* and *Prisma*
- Implemented an marketplace store taking advantage of *GraphQL* queries

## Portal to help Non-profit organizations raise funds

Apr 2020

JAVASCRIPT, MOBILE

- Built a web and a mobile application with React, React Native, Expo and Node.js
- Implemented following the best coding practices, including unit and integration tests.

## API service for Simulation System

May 2019

CLOJURE, FUNCTIONAL PROGRAMMING, TDD

- Built an API service using Clojure, Midje and Swagger, using the Test-Driven Development (TDD) approach to help a better and healthier coding of the application and its quality
- Implemented an API taking advantage of functional programming and immutability provided by Clojure
- Documented using Swagger to provide an interactive documentation and more friendly examples

## Planning tool to help university students build their timetables and share with peers

Jul 2018

PYTHON, CLOUD

- Built application using Azure, Flask (Python), and PostgreSQL
- Implemented an scraper, parser, cleaner and processor of gathered data to display the student's weekly planning in real time to different users accessing the same web interface

# Volunteer Work

## Promote Brazilian Culture at University of Toronto

Toronto, Canada

FORRO TEACHER

Aug 2013 - Dec 2014

- Taught a Brazilian dance called Forro semiweekly to a group of students, varying from 10 to 30 people, from different countries and cultures
- Organized multicultural social events with the purpose of integration and dissemination of knowledge
- Helped foreigners with Canadian and English culture

# Leadership & Awards

2017	<b>1st intern to present on a SIDI tech talk</b> , Friday Talk about Web Accessibility design and user experience	Campinas, Brazil
2016	<b>2nd place</b> , Selected as 2nd best Startup project by the Startup Weekend selection committee at Universidade Federal de Itajuba	Itabira, Brazil
2013	<b>Scholarship</b> , Selected by the Brazilian government and my former university for an 18-month academic development program at University of Toronto	Toronto, Canada
2013	<b>Student union Co-founder</b> , Co-founder and Counsellor on the 1st Computer Engineering Student Union Student Union at Universidade Federal de Itajuba	Itabira, Brazil