# BOB ANDRE

(530) 744-5899    EMAIL    PORTFOLIO    GITHUB    LINKEDIN    ANGELIST

## SKILLS

React, Redux, Ruby, Rails, JavaScript, HTML5, CSS3, SQL, MATLAB, jQuery, Rspec, TDD, Json, AJAX, GNU Octave, C, Python, shopify, Excel Macros, Ajax, Bootstrap, Figma, Whimsical, AWS, S3, Heroku, SPA, REST, API, OOP, Functional Programming, Arduino, IoT, Electronic, Scratch, Makeblock, Big Data, Git, Github, IBM watson, Azure

## PROJECTS

**Koinbase |** Ruby on Rails , React , Redux , PostgreSQL , Webpack , npm , yarn    live | github
*Online platform for watching crypto-assets*
- Used Recharts.js to generate graphs of crypto assets in a dynamic, yet fluid way.
- Used Bcrypt for its advance Blowfish cipher to hash users sensitive data and make it near impossible to reverse-engineer.
- Leveraged Rails 6 newest features such as integrated webpack for hot-reload to improve my workflow.

**ImmortalKombat | Team project**   MongoDB, Express.js, React, Node.js, Phaser, HTML5, CSS, npm    live | github
*A mobile multiplayer Mortal Kombat with a touch of Mario Kart*
- Design responsive UI controller solely using HTML5 and CSS3 for a lighter and faster load time to minimize 4G consumption.
- Built with Express.js the backend system of our applications to bridge frontend incoming data with our MangoDB database.
- Used Mongoose framework to create models and validations for our users, stats and game information for our MangoDB Database.

**TribuNews | Team project**   Ruby on Rails, HTML5, CSS3, javaScript, jQuery, Bootstrap, Bundler    live | github
*challenged by the CEO and founder of Tribu-news to functionally replicate his company's web platform within 2 weeks*
   **Mainly only using (vanilla) JavaScript, Jquery, CSS and HTML, as a team (of 4) we :**
- Designed and created a drag and drop functionality to position pictures anywhere on a virtual journal.
- Implemented an in-house/in the browser photo editor with only basic technologies ensuring we had the most browser compatibility.
- Built a real-time chat room for all users in the same 'tribe' (read group).

**CleanersService | Team project**   Rails on Rails, HTML5, CSS3, javaScript, Bootstrap, Ajax, jQuery    live | github
*Cleaning service platform where one can schedule and book cleaning services*

## EXPERIENCE

**Roue de Secours asbl (non-profit),** *Brussels, BE*
*Admin/Instructor*                                                                                          Sep 2018 - May 2019
- Designed and taught a project-based introductory course in python for teens and young adults.
- Held twice a week, scratch and robot programming (Makeblock) activities  for kids and teens.
- As a legal administrator of our non-profit, I helped with budget, planning and ordering electronic parts for workshops.

**Schola ULB,** *Brussels, BE*
*Part-time science and maths learning support teacher*                                Sept 2015 - Jan 2017
- Helped around 30 teenagers (14-19yo) across 3 different schools every year to grow to their full potential and obtain a passing grade for their year as well as spark some scientific interest in them.

**Board of European Students of Technology local group,** *Brussels, BE*
*Board Member - Secretary*                                                                          Aug 2015 - Jun 2016
- Supporting the president, organizing internal and external events , workshop , hackathon and academically recognized engineering courses.

## EDUCATION

**Web Development -** *App Academy   |   Fall 2019*
**Web Mobile Development -** *LeWagon   |   Spring  2019*
**Mathematics - CS - Physics  -** *Université libre de Bruxelles   |   2013 - 2017*