JUAN GUILLERMO MURILLO CASTILLO

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PROFILE

I am a proactive, self-taught and hardworking developer. I am passionate about web development, user experience, visual analytics and with the skills to work in teams, face and overcome challenges under pressure. During university, I have been a teaching assistant for two different courses: Web Development and Business Architecture, both graded with excellent performance. Also, I have been a research assistant in charge of developing and testing the usability of a visualization tool that eases the visualization, navigation, summarization, and exploration of large datasets. Lastly, I am eager to learn and implement solutions using Artificial Intelligence and Web Development technologies.

EXPERIENCE

Front End Software Engineer, Bizagi LATAM **09/2018— ongoing**

Front End Software Engineer within the UI Forms team at Bizagi in charge of implement responsive and reusable widgets to embed into automated processes forms.

Teaching assistant, Universidad de los Andes **08/2017— 06/2018**

Web development teaching assistant. In charge of code reviews, grade the web applications of the course and review unit tests, usability tests and accessibility.

Research assistant, Universidad de los Andes **08/2017 — 06/2018**

In charge of web application interface, usability research and improvement of **Navío**, a widget to explore, navigate and summarize large datasets. Under the supervision of an expert in Human Computer Interaction: **John Alexis Guerra-Gómez** (PhD).

PAPERS

Tadava: visual analytics architecture for large table-based datasets. John Alexis Guerra-Gómez, Juan Camilo Ortiz-Román and Juan Guillermo Murillo-Castillo. DSIA: Data Systems for Interactive Analysis 2018. In review.

Navio: a visualization widget for summarizing, exploring and navigating large multivariate datasets. John Alexis Guerra-Gómez, Juan Camilo Ortiz-Román and Juan Guillermo Murillo-Castillo. InfoVis 2018. In review.

Shipyard: an application to ease the exploration, navigation and summarization of data. Juan Guillermo Murillo-Castillo and John Alexis Guerra-Gómez. Graduation project.

TECHNICAL SKILLS

- JavaScript
- Java
- Git
- HTML
- CSS
- D3.js
- React.js
- Angular.js
- Node.js

RELEVANT COURSEWORK

- Visual Analytics
- User Experience
- Software Product Lines

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COURSE PROJECTS

AccioPlanner | Node.js | Angular.js | Team size: 4 | Web application — Code

Application that optimizes the number of semesters for students doing double major. It merges the current state of two different undergraduate programs and generates a graph with the courses that should take each semester.

TheBible | Meteor | React.js | Team size: 2 | Web application — Demo — Code

Application that storages academic files

- Cloud Storage with Amazon S3.
- Usability tests (Monkey tests, expert review, etc).
- Accessibility testing and Unit testing.

PERSONAL PROJECTS

Gloop | Node.js | Angular.js | Web application — Code

- Developed under high pressure (48 hours) at the "Javeriana Game Jam".

Shipyard | React.js | Web application — Demo

- Designed and developed an application that allows the user upload, preprocess, explore, summarize and visualize a dataset using a widget without writing a single line of code. Also, the user can export the data filtered or the visualization.

Fulbright | D3.js | Web application | Google Cloud Natural Language — Demo

- Application that allows the users, fulbright researchers, to find out colleagues around the world to work with due to similar research topics. The application uses the Google Natural Language API in order to get common keywords in the projects, then creates a graph structure with the links according the keywords. Finally, using d3.js an interactive graph visualization is generated with nodes as researchers and links as common keywords.

EDUCATION

Universidad de los Andes, Colombia — **July 2014 — March 2019**
B.S., Systems and Computing Engineering.
* All the courses already finished.

CERTIFICATES

- Single Page Web Applications with AngularJS by Johns Hopkins University on Coursera.
  Certificate earned on June 9th, 2017
- JavaScript: Understanding the Weird Parts by Anthony Alicea on Udemy.
  Certificate earned on May 30th, 2017

LANGUAGES

Spanish: Native **English:** Fluent

EXTRACURRICULAR ACTIVITIES

Football Rugby Drawing