

JUAN GUILLERMO MURILLO CASTILLO

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EXPERIENCE

Teaching assistant, Universidad de los Andes 08/2017- Present

Web development teaching assistant. In charge of code reviews and grade the web applications of the course.

Research assistant, Universidad de los Andes 08/2017- Present

In charge of web application interface, usability research and improvement of [NodeNavigator](#), a widget to explore, visualize and summarize large datasets. Under the supervision of a PhD expert in Human Computer Interaction.

TECHNICAL SKILLS

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- | | | |
|---|--|---|
| <ul style="list-style-type: none">JavaScriptD3.jsJava | <ul style="list-style-type: none">AngularJSHTMLCSS | <ul style="list-style-type: none">ReactJSGit |
|---|--|---|

RELEVANT COURSEWORK

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- | | | |
|--|---|--|
| <ul style="list-style-type: none">Visual Analytics | <ul style="list-style-type: none">User Experience | <ul style="list-style-type: none">Software Product Lines |
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COURSE PROJECTS

AccioPlanner | NodeJS | Angular JS | Team Size: 4 | Web Application [Source 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 | ReactJS | Team Size: 2 | Web Application [Demo / Source Code](#)

Application that storages academic files

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

OilCol | NodeJS | Angular JS | Team Size: 4 | Web and Mobile Application [Source Code](#)

- Use of methodological tools such as architectural styles and architectural patterns with the aim of favoring quality attributes.
- Agile Process Practices with XP / Scrum and ACDM

VacationPlanner | JavaEE | AngularJS | Team Size: 6 | Web Application [Source Code](#)

- Development process combined TSP (Team Software Process) practices with agile process practices. Role of Support Leader.

PERSONAL PROJECTS

Gloop | NodeJS | AngularJS | Web Application [Source Code](#)

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

Data-Explorer | ReactJS | Web Application [Demo](#)

- 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 [Demo](#)

- Application that allows fulbright researchers around the world to connect by their research topics through an intuitive interface.

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EDUCATION

Universidad de los Andes, Colombia
B.S., Systems and Computing Engineering
GPA: 3.81/5.0

Expected Graduation: March 2019

CERTIFICATES

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