

# JUAN GUILLERMO MURILLO CASTILLO

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## EXPERIENCE

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**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 [Navio](#), 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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- |              |             |           |
|--------------|-------------|-----------|
| • JavaScript | • AngularJS | • ReactJS |
| • D3.js      | • HTML      | • Git     |
| • Java       | • CSS       |           |

## RELEVANT COURSEWORK

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- |                    |                   |                          |
|--------------------|-------------------|--------------------------|
| • Visual Analytics | • User Experience | • Software Product Lines |
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## COURSE PROJECTS

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**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 stores 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

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

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

**Shipyards** | 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

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**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](#)