

JUAN GUILLERMO MURILLO CASTILLO

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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

Relevant Coursework: Visual Analytics, User Experience, Scientific Computing and Visualization.

Technical skills

JavaScript, D3.js, Java, AngularJS, HTML, CSS, ReactJS, Git

- 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

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 PhD [John Alexis Guerra-Gómez](#).

COURSE PROJECTS

AccioPlanner | NodeJS | 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 | Team Size: 2 | Web Application

[Demo](#) / [Source Code](#)

Application that storage academic files

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

OilCol | NodeJS | 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 | 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 | Web Application

[Source Code](#)

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

NodeNavigator | ReactJS | Web Application

[Demo](#)

- Application that allow the user upload, preprocess a dataset and use the [NodeNavigator](#) widget without writing a single line of code.