

# JUAN GUILLERMO MURILLO CASTILLO

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## EDUCATION

Universidad de los Andes, Colombia  
B.S., Systems and Computing Engineering  
GPA: 3.78/5.0

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 App

[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.