

NICOLAS MESA

76 W 82nd St, Apt 1A, New York, NY 10024
(908) 630-7933 | nm2805@columbia.edu | nicolasmesa.co

EDUCATION

Columbia University, M.S. in Computer Science, New York, NY Aug 2014 – Dec 2015 (Expected)

Relevant courses: Operating systems, Algorithms, Networking lab, Reliable software **GPA: 4.04 / 4.00**

- **RESTful API**
 - Create a RESTful Web API for a rental business supporting HTTP methods such as POST (asynchronous), PUT (asynchronous), GET and DELETE
- **SSLSafe Plugin and Server**
 - Create a plugin for Google Chrome to prevent the SSLStrip attack using Javascript
 - Create a back end application using Node.js to check if a host can be accessed using HTTPS and communicate with the Google Chrome plugin
 - Source available at <https://github.com/NVP12345/SafeSSL>

School of Engineering of Antioquia (EIA), Colombia

Jul 2008 – Jun 2013

Honors: Highest Graduating GPA, Computer Science.

GPA 3.52 / 4.00

PROFESSIONAL EXPERIENCE

Amazon, United States of America

May 2015 – August 2015

Software Engineer Intern

- Created a dashboard to provide information about the behavior of the customers
- Created a web service to process the data and store it into DynamoDB using Java, and SQS
- Implemented the front end of the dashboard using Java, HTML, CSS and Javascript
- Successfully deployed the working dashboard and the web service to production
- Added extra functionalities including an "Export to Excel" button and a daily summary email

Jan 2012 – Aug 2014

AliadosWeb | Alegra.co, Colombia

Software Engineer

- Develop Alegra.co, an accounting web application for small Colombian companies under the SaaS model
- Back-end programming using PHP and MySQL
- Front-end programming using Javascript with ExtJS, CSS and HTML
- Configure operating systems for testing and production environments
- Automate and optimize deployment process for testing and production environments
- Development of a web service for integration between partners and Alegra.co
- Development of an Android application using Sencha Touch and PhoneGap

Jan 2012 – Aug 2014

AliadosWeb | Seguridadenlinea.com, Colombia

Software Engineer

- Help in the development of Seguridadenlinea.com, a social media platform for anonymously reporting crime and safety issues
- Develop the control panel to be used by the government to manage the reported crimes (using ExtJs)
- Develop Blackberry application using Sencha Touch and PhoneGap

SKILLS

Implementation	Fluent in PHP, Javascript, C, SQL, HTML, CSS Proficient in Node.js, Java
Networking	HTTP, TCP/IP, Linux
Frameworks	Zend Framework, ExtJS, Sencha Touch, PhoneGap
Tools / Programs	Apache, AWS, Jira, Bamboo
Languages	Spanish (native), English