

# Manuel Felipe Pineda Loaiza

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## Work Experience

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### DomainsBot Inc

*Software developer*

**Remote Work**

*01/2017–12/2017*

- Developed a distributed system to improve the accuracy of the domain names availability using **Python** and **AWS**.
  - Developed an ETL service that daily downloads more than 1200 files from heterogeneous sources and saves them in a single format using **Airflow** and **AWS**.
- Used technologies among the projects: **graphite/statsd** for monitoring, **logentries** for log analytics, and **ansible** for deploys.

### Sirius Research Group

*Software developer*

**Risaralda - Colombia**

*03/2014–11/2016*

- Built a map based platform that provides and consumes several geolocation services for Risaralda, Colombia. The project integrates several services of the research group such video streaming from the streets and car counting. Involved in the project since the design of the architecture.
- Used **nodejs** and **ZeroMQ** for the backend and **openlayers3** and **Javascript** for the frontend.

### Universidad Tecnológica de Pereira

*Web developer*

**Risaralda - Colombia**

*01/2013–12/2013*

- Built an ACM-ICPC-based online judge for local training at my University.

## Personal Projects

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- Co-organizer of PereiraJS and PereiraTechTalks, local communities about programming in Pereira.
- Peer-to-peer file sharing project based on bittorrent, using **C++** and **ZeroMQ**.
- GPLib, Gaussian Processes library, using **C++** and **Armadillo**.

## Achievements

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- Contestant. **ACM - ICPC World Finals**. Beijing, China. 2018
- Second place. ACM ICPC South America-North Regional Contest. 2013 and 2017
- Best ranked Colombian at the **Distributed Google Code Jam 2017**.
- Best ranked Colombian at the **Google Code Jam 2016**.
- Honorable mention. **ACM - ICPC World Finals**. Yekaterinburg, Russia. 2014

## Education

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- BSc in Systems and Computer Engineering, Universidad Tecnológica de Pereira.  
graduation time: March, 2016. *distinguished student with GPA: 4.3/5*
- Programming Contest Training Camp, Neuquén, Argentina, July, 2016
- Programming Contest Training Camp, Bahía Blanca, Argentina, July, 2015
- Super and Distributed Computing Summer Camp, Manizales, Colombia, August, 2014
- V Caribbean Programming Contest Training Camp, La Habana, Cuba, May, 2014