

# Manuel Felipe Pineda Loaiza

Calle 14 N 7b 45 – Santa Rosa de Cabal – Colombia

☎ +57 3104120721 • ✉ manuel.felipe.pineda@gmail.com  
🌐 pin3da.github.io

## Experience

### DomainsBot Inc

Remote Work

Software developer

2017

- Developer of a distributed system to discover DNS availability using **Python** and **AWS**.
  - Developer of a ETL service that daily downloads files from heterogeneous sources using **Airflow** and **AWS**.
  - Developer of internal services using **Python** and **AWS**.
- Used technologies among the projects: **graphite/statsd** for monitoring, **logentries** for log analytics, and **ansible** for deploys.

### Sirius Research Group

Risaralda - Colombia

Software developer

2014–2016

- Developer of a map based platform that provides and consumes several geolocation services for Risaralda, Colombia. 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

Risaralda - Colombia

Web developer

2013–2014

- Developer of an ACM-ICPC-based online judge for local training at Universidad Tecnológica de Pereira.

## Education

### Universidad Tecnológica de Pereira

Risaralda - Colombia

Electrical Engineering MSc.

2016-present

Expected graduation: December 2018

### Universidad Tecnológica de Pereira

Risaralda - Colombia

BSc in Computer Science, distinguished student with GPA: 4.3 / 5

2010-2016

March 2016

### Complementary studies

- Programming Contest Training Camp Argentina, seventh edition, Universidad Nacional del Comahue, Neuquén, Argentina, July, 2016
- Programming Contest Training Camp Argentina, sixth edition, Universidad Nacional del Sur, Bahía Blanca, Argentina, July, 2015
- Super and Distributed Computing Summer Camp, BIOS Centro de Bioinformática Y Biología Computacional, Manizales, Colombia, August, 2014
- V Caribbean Programming Contest Training Camp, Universidad de Ciencias Informáticas, La Habana, Cuba, May, 2014

## Achievements

- Second place. ACM ICPC South America-North Regional Contest. Bogotá, Colombia. 2017

- Best ranked colombian at the **Distributed Google Code Jam 2017**. <sup>2</sup>
- Best ranked colombian at the **Google Code Jam 2016**. <sup>1</sup>
- Honorable mention. **ACM - ICPC World Finals**. Yekaterinburg, Russia. 2014
- Second place. Second UNAH Programming Cup. La Habana, Cuba. 2014
- Second place. ACM ICPC South America-North Regional Contest. Bogotá, Colombia. 2013
- First place. Fourth Internal Programming Contest. Universidad Tecnológica de Pereira, Colombia. 2013

<sup>1</sup><https://www.go-hero.net/jam/16/regions/Colombia>

<sup>2</sup><https://code.google.com/codejam/contest/3284486/scoreboard#sp=301>, handle: ManuelPineda

## Personal Projects

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- Co-organizer of PereiraJS and Pereira Tech talks, local communities about programming in Pereira, Risaralda. <sup>1</sup>
- Peer-to-peer file sharing project based on bittorrent, using C++ and ZeroMQ. <sup>2</sup>
- GPLib, Gaussian Processes library, using C++ and Armadillo. <sup>3</sup>
- All my open source projects can be found at my GitHub profile. <sup>4</sup>

## Interests - Hobbies

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**Competitive Programming:** Training in algorithms and math for programming competitions since 2011.

## Languages

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**Spanish:** Native

**English:** Good

## Computer skills

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| <b>1:</b> C/C++ Programming (preferred language)                   | <b>4:</b> Python                          |
| <b>2:</b> Experience in web development with nodejs and javascript | <b>5:</b> Basic skills in HTML and CSS.   |
| <b>3:</b> Proficient with GNU/Linux                                | <b>6:</b> Familiar with non-sql databases |

## References

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### Contacts

- Santiago Gutierrez, software engineer at Google. Email: santjuan@google.com
- Sebastián Gómez González, PhD candidate, Max Planck Institute, Email: sebasutp@gmail.com
- Diego Alejandro Agudelo España, PhD candidate, Max Planck Institute, Email: aleagues@gmail.com

<sup>1</sup><http://pereirajs.org>, <https://blog.pereiratechtalks.com/>

<sup>2</sup><https://github.com/pin3da/totient>

<sup>3</sup><https://github.com/pin3da/gplib>

<sup>4</sup><https://github.com/pin3da/>