Manuel Felipe Pineda Loaiza | CV

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Education

Universidad Tecnológia de Pereira   **Risaralda - Colombia**

BSc in Computer Science   *2010-Present*

GPA: 4.5 / 5

Selected Coursework

- **Computer Science:** Databases · Data Structures and Algorithms · Numerical Analysis · Operating Systems · Formal grammars and languages · Compilers · Computer Architecture · Distributed systems · Client Server architecture · Artificial intelligence.
- **Mathematics:** Multivariable Calculus · Linear Algebra · Discrete Math · Physics · Statistics · Operations Research

Experience

Vocational

Soluintech   **Risaralda - Colombia**

Web developer   *2014–Present*

Developer of backend services for SMaps [1] using **nodejs and ZeroMQ.**

Developer of frontend services for SMaps using **Openlayers 3 and javascript.**

Universidad Tecnológica de Pereira   **Risaralda - Colombia**

Web developer   *2013–2014*

Developer of UTP online judge.

Universidad Tecnológica de Pereira   **Risaralda - Colombia**

Tutor   *2011–2014*

Data structures tutor.

Universidad Tecnológica de Pereira   **Risaralda - Colombia**

Tutor   *2010–2011*

Mathematics tutor.

[1] http://maps.utp.edu.co/

Achievements

- 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

Complementary studies

- 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

Personal Projects

- Co-organizer of PereiraJS, javascript community in Pereira. [1]
- Developer of UTPJudge, ACM-ICPC-based judge for programming assignments and local training at Universidad Tecnológica de Pereira. [2]
- Peer-to-peer file sharing project based on bittorrent, using C++ and ZeroMQ. [3]
- All my open source projects can be found at my GitHub profile. [4]

Interests - Hobbies

Competitive Programming: Five years (2011 - present) training in algorithms and math for ACM-ICPC competitions.

Languages

Spanish: Native

English: Good

French: Basic

Computer skills

1: C/C++ Programming (preferred languaje)

2: Experience in web development with nodejs and javascript

3: Proficient with GNU/Linux

4: Proficient with Git

5: Basic skills in HTML and CSS.

6: Familiar with non-sql databases

References

Contacts

- Santiago Gutierrez, software engineer at Google. Email: santjuan@google.com
- Sebastián Gómez González, MSc. Professor of Universidad Tecnológica de Pereira. Email: sebasutp@gmail.com
- John Osorio, Ing. Professor of Universidad Tecnológica de Pereira. Email: john@sirius.utp.edu.co

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[1] http://pereirajs.org
[2] https://github.com/in-silico/utpjudge
[3] https://github.com/pin3da/totient
[4] https://github.com/pin3da/