

Manuel Felipe Pineda Loaiza

Curriculum Vitae

Education

2010–Present **BSc in Computer Science**, *Universidad Tecnología de Perera*, Risaralda - Colombia.

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

- 2014–Present **Web developer**, *Soluintech*, Risaralda - Colombia.
Developer of backend services for SMaps using nodejs and ZeroMQ.
Developer of frontend services for SMaps using Openlayers 3 and javascript.
- 2013–2014 **Web developer**, *Universidad Tecnológica de Pereira*, Risaralda - Colombia.
Developer of UTP online judge.
- 2011–2014 **Tutor**, *Universidad Tecnológica de Pereira*, Risaralda - Colombia.
Data structures tutor.
- 2010–2011 **Tutor**, *Universidad Tecnológica de Pereira*, Risaralda - Colombia.
Mathematics tutor.

Languages

Spanish **Native**
English **B Independent User**
French **A1**

Computer skills

- | | |
|---|-----------------------------------|
| 1 C/C++ Programming | 4 Proficient with Git |
| 2 Experience in web development with nodejs | 5 Basic skills in HTML and CSS. |
| 3 Proficient with GNU/Linux | 6 Familiar with non-sql databases |

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Interests - Hobbies

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

Achievements

- The 2014 World Finals, ACM - ICPC, Honorable mention, Universidad Tecnológica de Pereira
- Second UNAH Programming Cup, Universidad Agraria de la Habana, Second place, 2014
- The 2013 South America-North Regional Contest, ACM - ICPC, Second place, 2013 (0x7DD team)
- Fourth Internal Programming Contest, Universidad Tecnológica de Pereira, First place, 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 10-16, 2014
- V Campamento Caribeño ACM-ICPC, Universidad de Ciencias Informáticas, La Habana, Cuba, May, 2014

Personal Projects

- Co-organizer of PereiraJS , javascript community in Pereira.
- UTPJudge, ACM-ICPC-based judge for programming assignments and local training at Universidad tecnológica de Pereira
- Peer-to-peer file sharing project based on bittorrent, using C++ and ZeroMQ. Github repo
- All my open source projects can be found at my Github profile

References

Contacts

- Santiago Gutierrez, software engineer at Google. Email: santjuan@google.com
- Sebastián Gómez, M.Sc. 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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