

Germain García Zanabria

Curriculum Vitae

PERSONAL INFORMATION

Name: Germain García Zanabria
D. of Birth: 3 July, 1991
Address: Urb. Los Incas/C-4/Cusco/Cusco/Perú
Telephone: (51) 984 145694
E-mail: germaingarcia17@gmail.com
Nationality: Peruvian
Marital Status: Single
DNI: 47589479
Passaport: 116671311

EDUCATION

PhD. in Computer Science

2017 - 2020

University of São Paulo - Brazil

PhD. in Computer Science at the Institute of Mathematical and Computer Sciences (ICMC) of the University of São Paulo - Brazil, with focus on data science and crime data analysis.

PhD internship

2019 - 2020

University of New York

VIDA- lab

Urban data Analysis

Master in Computer Science

2014 - 2016

Universidad Católica San Pablo

Master Degree in Computer Science, Universidad Católica San Pablo de Arequipa - Perú. research has focused on: Visualization of the information, Data visualization, Visualization of multidimensional data, multidimensional data projection.

Systems Engineering

2018 - 2012

Universidad Nacional de San Antonio Abad del Cusco

Systems Engineering Degree, Universidad Nacional de San Antonio Abad del Cusco - Perú.

PROFESSIONAL EXPERIENCE

Research Visitor

2019 - 2019

NEW YORK UNIVERSITY

Research project development with urban data, specifically with crime data.

Software Developer

2013 - 2014

EMP GENERACION ELECTRICA MACHUPICCHU S A

Software Developer at EGEMSA, Development server system to manage Unix backup files.

Professional Internship

2012 - 2013

EMP GENERACION ELECTRICA MACHUPICCHU S A

Supporting and Help Desk to users of enterprise systems. Software engineering and development direct to ERP systems.

Software Developer

2011 - 2012

CODE PERU

Software development directed to web applications with HTML5, JavaScript, PHP, CSS3, and C#.

RESEARCH GRANTS

CONCYTEC - FONDECYT

2014 - 2016

Concytec: Concytec: Technology and Technological Innovation – Perú, Fondecyt 011-2013 Master Program, Period: 04/2014 to 04/2016, Position: Fellowship - Multidimensional Data Visualization.

FAPESP - CEPID

2017 - 2020

CeMEAI: Center for Mathematical Sciences Applied to Industry, Fapesp #2017/05416-1, Period: 03/2017 to 12/2020, Position: Fellowship - Crime Visual Analytic.

BEPE - Fapesp CEPID

2019 - 2019

CeMEAI: Center for Mathematical Sciences Applied to Industry, Fapesp #2019/04434-1, Period: 05/2019 to 12/2019, Position: Fellowship - Urban Visual Analytic).

LINKS TO PERSONAL SITES

- **Personal:**
https://dina.concytec.gob.pe/appDirectorioCTI/VerDatosInvestigador.do?id_investigador=34979
- **Additional CV:**
<http://lattes.cnpq.br/7345868777156264>
- **E-mails:**
germaingarcia17@gmail.com, germaingarcia@usp.br, and germaingarcia@ucsp.edu.pe

PRIZES AND AWARDS

- Upper third student, 2013, Universidad Nacional San Antonio Abad del Cusco - Perú
- Best Master dissertation (PEIT 2017), Universidad Católica San Pablo de Arequipa - Perú.
- Best Computer Graphics/Visualization Main Track Papers Awards, 33rd - SIB-GRAPI – Conference on Graphics, Patterns and Images.

SCIENTIFIC RESULTS

- **Germain Garcia Zanabria**, Luis Gustavo Nonato, and Erick Gomez-Nieto. iStar (i*): An interactive star coordinates approach for high-dimensional data exploration, *Computers & Graphics*, 60:107–118, 2016.

- **Garcia-Zanabria, G.**, Silveira, J. A., Poco, J., Paiva, A., Nery, M. B., Silva, C. T., Adorno S., & Nonato, L. G. (2019). CrimAnalyzer: Understanding Crime Patterns in São Paulo. IEEE Transactions on Visualization and Computer Graphics.
- Alvarenga Silveira, J., **Garcia Zanabria, G.**, Paiva A., Piccirillo D., Batista Nery, M., Adorno S., & Luis Gustavo Nonato(2019). São Paulo City Schools and Their Surroundings: from Non-Negative Tensor Factorization to Pattern Identification. XL Congresso Nacional de Matemática Aplicada e Computacional.
- **Garcia-Zanabria, G.**, Poco, J., Batista Nery, M., Silva, C. T., Raimundo, M., & Nonato, L. G. CriPAV: Street-Level Crime Patterns Analysis and Visualization (2020).
- Alvarenga Silveira, J., **Garcia Zanabria, G.**, Paiva A., Batista Nery, M., Adorno S., & Luis Gustavo Nonato. Crime Patterns and Urban Infrastructure around São Paulo City Schools: An Analytical Study via Non-Negative Tensor Factorization (2020).
- **Garcia-Zanabria, G.**, Batista Nery, M., Gomez-Nieto, E., Luis Gustavo Nonato. Mirante: A visualization tool for crime analysis in cities (2020). *Computers & Graphics*.

PERSONAL SKILLS AND COMPETENCES

Languages:

- **Spanish:** Understands well, speaks well, reads well, writes well.
- **English:** Understands well, speaks reasonably, reads well, writes well.
- **Portuguese:** Understands well, speaks well, reads well, writes well.
- **Quechua:** Understands well, speaks well, reads well

Code skills:

- PYTHON, JAVA SCRIPT, PHP, HTML, C#, C++, SQL, CSS, POSTGRES, MYSQL, R, PASCAL

Softwares

- MATLAB, L^AT_EX, MICROSOFT OFFICE, MINITAB