Curriculum Vitae

Personal Information

- Full name: Gabriel Emerson Iturra Bocaz
- Nationality: Chile
- E-mail: gabrieliturrab at ug.uchile.cl / giturra at dcc.uchile.cl
- Public Profiles: personal website, IMFD, Google Scholar, LinkedIn, GitHub, ResearchGate, Semantic Scholar, Orcid, Twitter.
- Areas of Interest: Natural Language Processing, Data Stream Mining, Machine Learning, Artificial Intelligence

Education

- MSc. Computer Science, University of Chile (Ongoing, 2023)
- Computer Science Engineer, University of Chile (Ongoing, 2023)
- BSc. Computer Science, University of Chile (2020)
- BSc. in Industrial Engineering, University of Chile (2019)

Experience

- August 2023 - Present: Part-Time Professor on Master of Data Science, University of Chile.
- Jul 2021 - Jun 2023 - Present: Research Assistant, FONDECYT 11200290, Chile. Project: Tracking Social Public Opinion: A Stream-Mining Based Approach.
- Jul 2021 - Jun 2023: Researcher Intern, Millennium Institute for Foundational Research on Data, Chile.
- Jul 2021 - Jun 2023: Researcher Intern, National Center for Artificial Intelligence, Chile.
- March 2018 - September 2020: Director of I. T., Beauchef Networking.
- March 2020 - July 2020: Web Developer, UGU S. A.
- January 2019 - March 2019: Web Developer, Memory and Neuropsychiatry Clinic, Faculty of Medicine, University of Chile.
- January 2018 - February 2018: Intership, Wizz, Mobile Developer.
- December 2016 - January 2017: Intership, Web Intelligence Centre, Software Developer.

Teaching

- [MDS7202] (Lecturer) Data Science Laboratory (spring 2023), Postgraduate School, Universidad de Chile.
- [CC6105] (TA) Statistical Thinking (spring 2022), Department of Computer Science, Universidad de Chile.
- [CC6204] (TA) Deep Learning (spring 2022), Department of Computer Science, Universidad de Chile.
- [CC5205] (TA) Data Mining (fall 2022, fall 2023), Department of Computer Science, Universidad de Chile.
- [CC6205] (TA) Natural Language Processing (fall 2022, fall 2023), Department of Computer Science, Universidad de Chile.
- [CC7910] (TA) Research in Computer Science (Methods, Techniques, Perspectives) (spring 2021, fall-spring 2022, fall 2023), Department of Computer Science, Universidad de Chile.
- [IN6534] (TA) Introduction to Deep Learning (spring 2021), Department of Industrial Engineering, Universidad de Chile.
- [CC4102] (TA) Algorithm Design and Analysis (spring 2020, fall-spring 2022, fall 2023), Department of Computer Science, Universidad de Chile.
- [CC4101] (TA) Programming Languages (spring 2020), Department of Computer Science, Universidad de Chile.
- [CC5401] (TA) Software Engineering II (fall 2020), Department of Computer Science, Universidad de Chile.
- [CC3201] (TA) Databases (fall-spring 2019), Department of Computer Science, Universidad de Chile.
- [IQ5412] (TA) Process Modeling and Simulation (spring 2018), Department of Chemical Engineering and Biotechnology, Universidad de Chile.
- [CC5002] (TA) Web Application Development (spring 2017, fall-spring 2018, fall-spring 2019, fall-spring 2020, fall-spring 2021), Department of Computer Science, Universidad de Chile.
- [MA2601] (TA) Ordinary differential equations (fall 2016), Department of Mathematical Engineering, Universidad de Chile.

Short Courses

- LSSDS, La Serena School Data Science, 2-13 August, 2021, La Serena (Certificate of Attendance).

Publications

1. G. Iturra-Bocaz and F. Bravo-Marquez RiverText: A Python Library for Training and Evaluating Incremental Word Embeddings from Text Data Stream. In Proceedings of the 46th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '23), July 23–27, 2023, Taipei, Taiwan, doi: 10.1145/3539618.3591908 (pdf).
2. F. Vera, V. D. Cortés, G. Iturra, J. D. Velásquez, P. Maldonado and A. Couve, Akori: A Tool Based in Eye-Tracking Techniques for Analyzing Web User Behaviour on a Web Site 2017 IEEE International Conference on Data Mining Workshops (ICDMW), 2017, pp. 635-640, doi: 10.1109/ICDMW.2017.90 (pdf).

Thesis

1. Master's Thesis (first five pages in Spanish): RiverText A framework for training and evaluating Incremental Word Embeddings from Text Data Streams (pdf).

Projects

1. RiverText: A Python Library for Training and Evaluating Incremental Word Embeddings from Text Data Streams (as main developer).

Awards

- [2023] SIGIR Student Travel Grant to attend the 2023 SIGIR International Conference on Information Retrieval in Taipei, Taiwan.
- [2016] Outstading student in 2016.

Talks and Workshops

- [July 2023] Workshop: Web Scrapping, The Summer Institutes in Computational Social Science, Santiago, Chile.
- [July 2023] Workshop: Text Analysis II, The Summer Institutes in Computational Social Science, Santiago, Chile.
- [April 2023] Department of Computer Science, Universidad de Chile. Thesis Talk, entitled RiverText: A Framework for Training and Evaluating Incremental Word Embeddings from Text Data Streams (slides)(video in Spanish).

Technical Skills

- Programming Languages: Python, Java, C/C++, R, PHP, JavaScript.

- Especial Frameworks: PyTorch, TensorFlow, Django, Springs Boots, React and React Native.
- Databases: PostgreSQL, MySQL and MongoDB.

Languages

- Spanish: Native.
- English: Fluent (B2), Academic IETLS 6.5/9.0.

References

- Felipe Bravo-Marquez: Assistant Professor, University of Chile.
- Claudio Gutierrez: Full Professor, University of Chile.
- Jose Urzua: Head of Systems Development at NIC Chile and Part Time Professor at University of Chile.

Gabriel Iturra-Bocaz

Santiago, Chile July 12, 2023