

HERNÁN CZEMERINSKI

Business School, Universidad Torcuato Di Tella
Figueroa Alcorta 7350, CABA, Argentina (1428)
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CURRENT POSITIONS

- *Full-time Professor*, Business School, Universidad Torcuato Di Tella (UTDT).
 - Chair of the MicroMaster Data Analytics 1.0, Business School, UTDT.
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EDUCATION

- *PhD in Computer Science*, School of Science, University of Buenos Aires (UBA), 2015. Thesis: “Behaviour Abstraction Coverage Criteria for Protocol Conformance Testing”. Advisors: Prof. Sebastián Uchitel and Prof. Víctor Braberman.
 - *MSc in Computer Science*, School of Science, UBA, 2001. Thesis: “Bouchet Graphs: A Generalization of Circle Graphs”. Advisor: Prof. Guillermo Durán.
 - *BSc in Computer Science*, School of Science, UBA, 1999.
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TEACHING

- Professor at the Business School, UTDT:
 - *Introduction to Programming*, 2-2021, 2-2022, 1-2023, 2-2023, 1-2024, 2-2024.
 - *Analytical Methods and Programming*, 2-2023, 2-2024.
 - *Algorithm Programming* (MicroMaster in Data Analytics 1.0), 2-2023, 2-2024.
 - *Fundamentals of Algorithms* (Master in Management + Analytics), 1-2020, 1-2021, 1-2022, 1-2023, 1-2024.
- Professor at the Science Institute, UNGS:
 - *Database*, 1-2019, 2-2019, 1-2020, 2-2020, 1-2021, 2-2021, 1-2022, 2-2022.
- Professor at the School of Science, UBA:
 - *Introduction to Algorithms** (Master in Data Mining and Knowledge Discovery), 2-2018, 2-2019, 2-2020.
- Professor at the Industry Institute, UNGS:
 - *Thesis Seminar*, 1-2018, 2-2018.
 - *Supervised Professional Internship II*, 2-2015, 1-2016, 2-2016, 1-2017, 2-2017.
- Teaching Assistant at the Business School, UTDT:
 - *Fundamentals of Algorithms* (Master in Management + Analytics), 1-2018, 1-2019.
- Teaching Assistant at the School of Science, UBA:
 - *Algebra I Lab*, 2-2016[†], 1-2018[†], 2-2018[†].
 - *Algorithms and Data Structures I*, 2-2017[†].

*Course for admission to Master’s program.

[†]In charge of practical lessons (*Jefe de trabajos prácticos*, in Spanish).

- *Introduction to Computer Science*, 1-2012[†], 1-2013[†], 1-2015[†], 1-2016[†], 1-2017[†].
- *Logic and Computability*, smr-2011, 2-2011, 2-2012[†], 2-2013[†], smr-2014[†], smr-2015[†].
- *Theory of Formal Languages*, 1-2000, 2-2000, 1-2001, 1-2009, 2-2009, 1-2010, 2-2010.

REFEREED PUBLICATIONS

- M. C. Martínez, M. Borchardt, **H. Czemerinski**, M. Torres, N. Iocca, “Políticas de Formación Docente en Computación en Latinoamérica”, Simposio Argentino de Educación en Informática (SAEI), 2022.
- **H. Czemerinski**, F. Schapachnik, M.B. Bonello. “¿De qué hablamos cuando hablamos de incluir Pensamiento Computacional en la Escuela?. Cartografías Del Sur Revista De Ciencias Artes Y Tecnología”, (13), 2021
- F. Schapachnik, **H. Czemerinski**, G. Scasso, D. Cura, V. Marino, “A CS teacher training program in Argentina analysed by profiles”, 15th Workshop in Primary and Secondary Computing Education (WiPSCE 2020), pages 24.1-24.2, online conference, Oct. 28-30 2020.
- M.B. Bonello, **H. Czemerinski**, “Program.AR: una propuesta para incorporar Ciencias de la Computación a la escuela argentina”, Proc. of 7th Red Kipus International Seminar, Valorización de la profesión y la formación docente: tendencias y desafíos contemporáneos para la ciudadanía y la inclusión, 2016
- **H. Czemerinski**, V. Braberman, S. Uchitel, “Behaviour abstraction adequacy criteria for API call protocol testing”, Software Testing, Verification and Reliability (STVR), Vol. 26(3), pages 211-244, 2016.
- **H. Czemerinski**, V. Braberman, S. Uchitel, “Behaviour abstraction coverage as black-box adequacy criteria”, in Proc. of 6th IEEE International Conference on Software Testing, Verification and Validation (ICST 2013), pages 222-231. Luxembourg, Luxembourg, 2013.
- **H. Czemerinski**, P. Jacovkis, “La llegada de la computación a la Universidad de Buenos Aires”, Revista Iberoamericana de Ciencia, Tecnología y Sociedad, Vol. 6(18), pages 75-87, 2011.
- **H. Czemerinski**, G. Durán, A. Gravano, “Bouchet graphs: a generalization of circle graphs”, Congressus Numerantium, Vol. 155, pages 95-108, 2002.
- **H. Czemerinski**, “Grafos de Bouchet: una generalización de los grafos circulares”, Summary of MSc thesis in Proc. of Latin American Conference on Computer Science (CLEI 2002), page 167. Montevideo, Uruguay, 2002.

BOOK CHAPTERS

- J. Banchoff, C. Queiruga, **H. Czemerinski**, “Procedimientos”, Ciencias de la Computación para el Aula - 2^{do} Ciclo Secundaria, pages 121-166, Fundación Sadosky, 2019.
- J. Dabbah, C. Queiruga, **H. Czemerinski**, “La computadora”, Ciencias de la Computación para el Aula - 2^{do} Ciclo Secundaria, pages 301-374, Fundación Sadosky, 2019.
- J. Dabbah, P. Venosa, **H. Czemerinski**, “Sistemas operativos”, Ciencias de la Computación para el Aula - 2^{do} Ciclo Secundaria, pages 375-404, Fundación Sadosky, 2019.

- J. Marone, J. Dabbah, **H. Czemerinski**, F. Mezzanotte, “Redes de computadoras”, Ciencias de la Computación para el Aula - 1^{er} Ciclo Primaria, pages 245-304, Fundación Sadosky, 2018.

FUNDED RESEARCH PROJECTS

- Leading Researcher of research project “La enseñanza de Ciencias de la Computación en la escuela argentina: desarrollos y evaluaciones”, UNGS N°30/1142, UNGS (2020-2022).
- Established Researcher in research project “Didáctica escolar de las Ciencias de la Computación”, PICT-2018-03145, National Agency for Scientific and Technological Promotion (ANPCYT) (2019-2022). Leading Researcher: Dr. Fernando Schapachnik.
- Established Researcher in research project “Didáctica escolar de las Ciencias de la Computación”, UBACYT N ° 20020170100172BA, UBA (2018-2020). Leading Researcher: Dr. Fernando Schapachnik.
- First Stage Researcher in research project “Construcción y análisis automático de modelos formales en la ingeniería de software”, UBACYT Q384, UBA (2014-2017). Leading Researcher: Dr. Víctor Braberman.
- First Stage Researcher in research project “Behavior abstractions for software testing”, PICT-2012-0724, ANPCYT (2013-2017). Leading Researcher: Dr. Víctor Braberman.
- First Stage Researcher in research project “MEALS: Mobility between Europe and Argentina applying logics to system” (meals-project.eu), FP7-PEOPLE-2011-IRSES, European Commission (2011-2014). Leading Researcher: Dr. Holger Hermans.
- First Stage Researcher in research project “Modelos formales en la ingeniería del software: construcción, validación y verificación”, UBACYT W813, UBA (2011-2015). Leading Researcher: Dr. Sebastián Uchitel.
- Research Student in research project “Grafos de intersección: aspectos algorítmicos, complejidad computacional, problemas teóricos asociados y aplicaciones”, UBACYT X127, UBA (2001-2003). Leading Researcher: Dr. Guillermo Durán.

STUDENT SUPERVISION

- MSc Thesis co-advisor (with Dr. Fernando Schapachnik) of Lucía Parral, “Some 10 year-old children misconceptions about computing”, Department of Computing, School of Science, UBA, 2021.
- MSc Thesis co-advisor (with Dr. Esteban Pavese) of María Bonfiglio and Pablo Nussembaum, “MENTAT: A dynamic verification tool for Java code”, Department of Computing, School of Science, UBA, 2015.
- MSc Thesis co-advisor (with Dr. Guido de Caso) of Romina Bernatene and Florencia Fotorello, “Enabledness models for protocol verification”, Department of Computing, School of Science, UBA, 2011.

OTHER ACADEMIC/SCIENTIFIC INFORMATION

- *Conference General Chair*, 3rd Argentine Conference on Computer Science Pedagogy (JADICC 2021), online conference, 2021.
- *Member of Evaluation Committees*
 - Adjunct professor contest, in the field of Computer Science Education, Universidad Pedagógica Nacional (UNIPE), 2022.
 - Teaching assistant contest, Department of Computing, UBA, 2012, 2013, 2015, 2017 and 2022.
 - MSc Thesis of Sebastián Damián Mazzini, UBA, 2021.
 - MSc Thesis of Sebastián Lamelas Marcote, UBA, 2015.
 - MSc Thesis of Julián Rodrigo Berlín and Facundo Pippia, UBA, 2013.
 - Students' work contest (EST) @ JAIIO 2013, Córdoba, Argentina.
- *Conference Paper Additional Reviewer*: ICSE 2014, ASE 2014, FSE 2014, ASE 2013, ICSE 2013, ICSE 2012, FSE 2011, ICSE 2011.
- *Mentorship*: mentor to first-year Computer Science students, mentorship program, School of Science, UBA, 2009-2014.
- *Award*: second prize in the 9th Latinamerican MSc Thesis Contest CLEI-UNESCO, organized by the 28th Latin American Conference on Computer Science (CLEI), 2002.

OTHER PROFESSIONAL ACTIVITIES

- Fundación Sadosky
 - Research activities in the area of Computer Science Education, 2020-2022.
 - Editor of the four-book collection “Ciencias de la Computación para el Aula”[‡], 2016-2019.
 - Trainer of school teacher trainers at several national universities (UNNE, UNCOMA, UNSL, UNLM, etc.), 2015.
- National Agency for Scientific and Technological Promotion
 - Member of the evaluation committee for ICT and Engineering commissions of EMPRETECNO, National Sectorial Funds Program (FONARSEC), 2017.
 - Project evaluator for the Software Industry Promotion Trust Fund (FONSOFT), 2010-2011.
- New Technologies S.R.L.
 - Software technology consultant, 2008.
 - Software developer, 1998-2002.
- Ministerio de Cultura GCBA
 - Software engineer, 2005-2007.
- Data Transfer S.R.L.
 - Software engineer, 2003-2005.
- XG-Technology S.R.L.
 - Multimedia software developer, 1997.

[‡]The collection is available at <https://program.ar/material-didactico/#manuales-docentes>.