

Alberto Vera

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Summary

Ph.D. candidate in Operations Research at Cornell. I work on problems with a strong applied component in two areas: transportation and optimization under uncertainty. I can model problems and implement efficient solutions.

Education

Period	Establishment	Studies
2015 - Dec. 2019*	Cornell University	Ph.D. Operations Research
2013 - 2015	Universidad de Chile	M.S. Operations Management
2013 - 2015	Universidad de Chile	M.S. Industrial Engineering
2008 - 2012	Universidad de Chile	B.S. Industrial Engineering

Professional Experience

- **Internship at Apple Maps, summer 2017:** Public transit routing.
- **Internship at Maver Laboratories, summer 2013:** Developed a machine scheduling application using CPLEX and coded in Java. Based on two-stage optimization heuristics.
- **Internship at EFT Group, summer 2012:** Developed application to detect customer abandonment. Coded in C. Based on text mining tools.
- **Teaching assistant at Cornell University and Universidad de Chile:** Several undergraduate and graduate classes.

Publications

- [Online Allocation and Pricing: Constant Regret via Bellman Inequalities](#). Working paper. A. Vera, S. Banerjee, and I. Gurvich.
- [The Bayesian Prophet: A Low-Regret Framework for Online Decision Making](#). ACM SIGMETRICS 2019. A. Vera and S. Banerjee.
- [Computing Constrained Shortest-Paths at Scale](#). Working paper. A. Vera, S. Banerjee, and S. Samaranayake.
- [Adaptive rumor spreading](#). J. Correa, M. Kiwi, N. Olver, and A. Vera. WINE 2015

Other Information

Programming Languages	Java, C, Matlab, Python, PHP, HTML, Perl, AWK, Visual Basic.
Other	Gurobi, CPLEX, SQL, SPSS, Arena, Bizagi, GAMS, AMPL, Latex, RapidMiner.
Languages	Spanish (native), English, French (proficient), German (intermediate), Russian (basic).
Soft Skills	Team player, communication skills, presentation skills, goal setting, leadership, flexible, decision-making.