Vinícius Dias

Personal Data

Full Name:	Vinícius Vitor dos Santos Dias
Place of Birth:	Uberaba, Brazil
Address:	165 Ronan Martins Marques St., Santa Maria, Uberaba, MG, Brazil
Phone:	+55 (34) 9 9198 1934
e-mail:	vvsdias@gmail.com
WWW:	http://www.dcc.ufmg.br/~viniciusvdias

Education

Jan 2018 — Current	Ph.D. Computer Science, Universidade Federal de Minas Gerais Areas of Interest: Distributed/Parallel Systems, Scalable Graph Mining
Jan 2014 — Dec 2016	M.Sc. Computer Science, Universidade Federal de Minas Gerais Cumulative GPA 3.82 / 4.0 Areas of Interest: Distributed/Parallel Systems, Networking and Data Management
Jul 2009 — Jul 2013	B.Sc. Computer Science, Universidade Federal de Uberlândia Cumulative GPA: 3.83 / 4.0 Best Student Award

Honors and Awards

2013	Universidade Federal de Uberlândia Highest GPA among Undergraduate Students

Research Experience

Jan 2018 – Current	**Graduate Student at Universidade Federal de Minas Gerais, Brazil** Theme: Scalable Graph Mining Advisor: Dorgival Guedes **Vinicius Dias**, Carlos H. C. Teixeira, Dorgival Guedes, Wagner Meira Jr., Srinivasan Parthasarathy. 2019. Fractal: A General-Purpose Graph Pattern Mining System. In Proceedings of the 2019 International Conference on Management of Data (SIGMOD '19). ACM, New York, NY, USA.
Out 2017 – Feb 2018	**Visiting Research Fellow at Ohio State University** Theme: Scalable Graph Mining and Performance Forecasting Advisor: Srinivasan Parthasarathy **Vinicius Dias**, Wagner Meira, and Dorgival Guedes. Janus: Diagnostics and reconfiguration of data parallel programs. In Journal of Parallel and Distributed Computing. 120: 196-210, 2018.
Jan 2017 – Set 2017	**Research Intern at Universidade Federal de Minas Gerais** Theme: Programming abstractions and Performance tuning in Massive data processing Advisors: Dorgival Guedes and Wagner Meira Jr. Eslam Hussein, Abdurrahman Ghanem, **Vinicius Vitor dos Santos Dias**, Carlos H.C. Teixeira, Ghadeer AbuOda, Marco Serafini, Georgos Siganos, Gianmarco De Francisci Morales, Ashraf Aboulnaga, and Mohammed Zaki. 2017. Graph Data Mining with Arabesque. In Proceedings of the 2017 ACM International Conference on Management of Data (SIGMOD '17). ACM, New York, NY, USA, 1647-1650.
Jun 2016 – Aug 2016	**Visiting Research Fellow at Brown University** Theme: Scheduling Strategies for Data-Parallel Distributed Systems Advisor: Rodrigo Fonseca

Jan 2014 – Dec 2016	Graduate Student at Universidade Federal de Minas Gerais, Brazil
	Theme: Performance Diagnosis and Dynamic Reconfiguration in Massive Data Processing
	Advisor: Dorgival Guedes

DIAS, V. S.; MOREIRA, R. E. A. ; MEIRA Jr., W. ; GUEDES, D. . Diagnosing Performance Bottlenecks in Massive Data Parallel Programs. In: 16th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (CCGrid), 016, Cartagena, Colombia. Proceedings of CCGrid 2016. Nova Iorque: IEEE, 2016. p. 1-4.

DIAS, V. S. ; MEIRA Jr., W. ; GUEDES, D. . Dynamic Reconfiguration of Data Parallel Programs. In: 28th International Symposium on Computer Architecture and High Performance Computing, 2016, Marina Del Rey, EUA. Proceedings of the 28th International Symposium on Computer Architecture and High Performance Computing. Los Alamitos, EUA: IEEE, 2016. p. 190-197.

CASAS, P. H. B. L. ; **DIAS, V. S.**; MEIRA Jr., W. ; GUEDES, D. . A Big Data Architecture for Security Data and its Application to Phishing Characterization. In: 2nd IEEE International Conference on Big Data Security on Cloud (BigDataSecurity 2016), 2016, Nova Iorque, EUA. Proceedings of BigDataSecurity 2016. Nova Iorque: IEEE, 2016. p. 1-6.

ROCHA, R., HOTT, B., **DIAS, V.**, FERREIRA, R., MEIRA, W., and GUEDES, D. . Watershedng: an Extensible Distributed Stream Processing Framework. Concurrency and Computatation: Practice and Experience, 28: 2487–2502, 2016

LAS-CASAS, PEDRO ; **DIAS, V. S.** ; FERREIRA, R. A. C. ; MEIRA Jr., W. ; GUEDES, D. . A Hadoop Extension to process Mail Folders and its Application to a spam Dataset. In: WPBA 2014 - International Workshop on Parallel and Distributed Computing for BigData Applications, 2014, Paris, France. Proceedings of the International Workshop on Parallel and Distributed Computing for BigData Applications, 2014. p. 1-6.

Jan 2010 – Jul 2013	Undergraduate student at Universidade Federal de Uberlândia, Brazil
	Theme: Query Languages and Context-aware Preferences in Database Management
	Advisor: Sandra de Amo

DIAS, V. V. S. ; AMO, S. A. . CPrefSQL-Tool: Uma Ferramenta Web para Consultas com Suporte a Contextos e Preferências do Usuário. In: Demos Session - XXVII Brazilian Symposium on Databases, 2012, São Paulo.

AMO, S. A. ; FERNEDA, T. M. ; CATTELAN, R. G. ; **DIAS, V. V. S.**; FERREIRA, H. N. M. . Contextual Preference Repositories for Personalized Query Answering. In: XXVII Brazilian Symposium on Databases, 2012, São Paulo.

Teaching Experience

Jul 2018 – Dec 2018	Senior Teaching Assistant at Universidade Federal de Minas Gerais, Brazil
	Course: Computer Networks
	Related Tasks: Assigning programming problems, one-on-one tutoring and grading

Mar 2015 – Jul 2015	Senior Teaching Assistant at Universidade Federal de Minas Gerais, Brazil
	Course: Computer Networks
	Related Tasks: Assigning programming problems, one-on-one tutoring and grading
	Junior Teaching Assistant at Universidade Federal de Minas Gerais, Brazil
	Course: Design and Analysis of Algorithms
	Related Tasks: One-on-one tutoring and grading

Computer Skills

Programming Languages:	Scala, C, Java, Python, R
Experienced in:	Cluster Computing, Resource Management, and Graph Mining

Languages

English:	Working Knowledge
Portuguese:	Native
French:	Basic Knowledge