

VINÍCIUS DIAS

PERSONAL DATA

Full Name: Vinícius Vitor dos Santos Dias
Place of Birth: Uberaba, Brazil
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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 Aboul-naga, 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. . Watershedding: 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