

Henrique Duarte Moura

August 2019

Curriculum Vitae

Personal Information

Gender	Male
Birth Information	10/11/1967 - Salvador/BA - Brazil
Residential Address	Rua dos Aeronautas, 335 Liberdade – Belo Horizonte 31270-320, Minas Gerais - Brazil
e-Mail	henriquemoura@hotmail.com
Institutional e-Mail	henriquemoura@dcc.ufmg.br

Formal Education

2015 - Present	PhD student in Computer Science Universidade Federal de Minas Gerais, UFMG, Belo Horizonte, Brazil Advisor: Daniel Fernandes Macedo Co Advisor: Marcos Augusto M. Vieira
2013 - 2015	Master of Science in Computer Science. Universidade Federal de Minas Gerais, UFMG, Belo Horizonte, Brazil Title: Ethanol: an SDN platform for Wi-Fi networks, Year of degree: 2015 Advisor: Daniel Fernandes Macedo Co Advisor: Marcos Augusto M. Vieira Keywords: SDN, Wireless Networks Knowledge area: Computer networks
2010 - 2012	Technologist in Analysis and Development of System. Universidade Estácio de Sá, Rio de Janeiro, Brazil Year of degree: 2012
1993 - 1996	Master of Science in Administration (completed credits) Universidade Federal de Minas Gerais, UFMG, Belo Horizonte, Brazil Advisor: Tarcísio Afonso
1992 - 1992	MBA in MARKETING. União de Negócios e Administração, UNA, Brasil Title: SEBRAE Year of degree: 1992
1986 - 1991	Bachelor of Science in Electrical Engineering. Universidade Federal de Minas Gerais, UFMG, Belo Horizonte, Brasil Year of degree: 1991 Title: Acionamento de Alto Desempenho com Motores de Corrente Alternada Advisor: Paulo Fernando Seixas
1987 - 1990	Bachelor of Science in Administration. União de Negócios e Administração, UNA, Brasil Year of degree: 1990

Complementary Formation

2019 - 2019	Short Term Course in Bayesian Methods for Machine Learning. (Duration: 39h). National Research University Higher School of Economics, NRUHSE, Rússia
2019 - 2019	Short Term Course in São Paulo School of Advanced Science on Learning from Data. (Duration: 80h). Universidade de São Paulo, USP, Sao Paulo, Brasil Funding by Fundação de Amparo à Pesquisa do Estado de São Paulo
2019 - 2019	Short Term Course in Serverless Data Analysis with Google BigQuery and Cloud Dataflow. (Duration: 8h). Google Cloud, GOOGLE, USA
2019 - 2019	Short Term Course in Building Resilient Streaming Systems on Google Cloud Platform. (Duration: 8h). Google Cloud, GOOGLE, USA
2018 - 2019	Short Term Course in Convolutional Neural Networks. (Duration: 20h). deeplearning.ai, DA, USA
2019 - 2019	Short Term Course in Applying Machine Learning to your Data with GCP. (Duration: 14h). Google Cloud, GOOGLE, USA
2019 - 2019	Short Term Course in Practical Reinforcement Learning. (Duration: 36h). National Research University Higher School of Economics, NRUHSE, Rússia
2018 - 2019	Short Term Course in Baseline: Data, ML, AI. . (Duration: 8h). Google Inc., Google, USA
2019 - 2019	Short Term Course in Serverless Machine Learning with Tensorflow on Google Cloud Platform. (Duration: 12h). Google Cloud, GOOGLE, USA
2019 - 2019	Short Term Course in Achieving Advanced Insights with BigQuery. (Duration: 14h). Google Cloud, GOOGLE, USA
2019 - 2019	Short Term Course in AI For Everyone. (Duration: 12h). deeplearning.ai, DA, USA
2019 - 2019	Short Term Course in Leveraging Unstructured Data with Cloud Dataproc on Google Cloud Platform. (Duration: 8h). Google Cloud, GOOGLE, USA
2019 - 2019	Short Term Course in Google Cloud Platform Big Data and Machine Learning Fundamentals. (Duration: 11h). Google Cloud, GOOGLE, USA
2019 - 2019	Short Term Course in End-to-End Machine Learning with TensorFlow on GCP. (Duration: 30h). Google Cloud, GOOGLE, USA
2019 - 2019	Short Term Course in Introduction to Big Data. (Duration: 18h). University of California San Diego, UCSD, USA
2019 - 2019	Short Term Course in Creating New BigQuery Datasets and Visualizing Insights. (Duration: 7h). Google Cloud, GOOGLE, USA
2019 - 2019	Short Term Course in Data Science on the Google Cloud Platform. (Duration: 10h). Google Inc., Google, USA
2019 - 2019	Short Term Course in Google Cloud Solutions II: Data and Machine Learning. (Duration: 11h). Google Cloud, GOOGLE, USA

2018 - 2018	Short Term Course in Introduction to Deep Learning. (Duration: 60h). National Research University Higher School of Economics, NRUHSE, Rússia
2018 - 2018	Short Term Course in Neural Networks for Machine Learning. (Duration: 65h). University of Toronto, UTORONTO, Toronto, Canadá
2018 - 2018	Short Term Course in Machine Learning. (Duration: 55h). deeplearning.ai, DA, USA
2018 - 2018	Short Term Course in Neural Networks and Deep Learning. (Duration: 24h). deeplearning.ai, DA, USA
2018 - 2018	Short Term Course in Feature Engineering. (Duration: 14h). Google Cloud, GOOGLE, USA
2018 - 2018	Short Term Course in Intro to TensorFlow. (Duration: 10h). Google Cloud, GOOGLE, USA
2018 - 2018	Short Term Course in Exploring and Preparing your Data with BigQuery. (Duration: 7h). Google Cloud, GOOGLE, USA
2018 - 2018	Short Term Course in Structuring Machine Learning Projects. (Duration: 8h). deeplearning.ai, DA, USA
2018 - 2018	Short Term Course in Improving Deep Neural Networks: Hyperparameter tuning, Regularization and O. (Duration: 18h). deeplearning.ai, DA, USA
2018 - 2018	Short Term Course in Art and Science of Machine Learning. (Duration: 21h). Google Cloud, GOOGLE, USA
2018 - 2018	Short Term Course in Launching into Machine Learning Prev. (Duration: 7h). Google Cloud, GOOGLE, USA
2018 - 2018	Short Term Course in How Google does Machine Learning. (Duration: 10h). Google Cloud, GOOGLE, USA
2018 - 2018	Short Term Course in Machine Learning with TensorFlow on Google Cloud Platform Specialization. (Duration: 62h). Google Cloud, GOOGLE, USA
2017 - 2017	WORKSHOP in FINANÇAS COMPUTACIONAIS 2017 (Portuguese). (Duration: 8h). Universidade Federal de Minas Gerais, UFMG, Belo Horizonte, Brasil
2013 - 2013	Dell PowerEdge Servers (Technical Training). . Dell Computadores do Brasil, DELL, Eldorado Do Sul, Brasil
2013 - 2013	Short Term Course in Dell Cloud Essentials. Dell Computadores do Brasil, DELL, Eldorado Do Sul, Brasil
2013 - 2013	Short Term Course in Switching NMS. (Duration: 32h). Enterasys Networks, Inc, ENTERASYS, Brasil
2013 - 2013	Short Term Course in Dell Force 10 C-Series. Dell Computadores do Brasil, DELL, Eldorado Do Sul, Brasil
2013 - 2013	Short Term Course in Software Defined Networking. (Duration: 60h). Georgia Institute of Technology, GEORGIA TECH, Atlanta , USA

2013 - 2013	Short Term Course in Cryptography I. (Duration: 60h). Stanford University, STANFORD, Stanford, USA
2013 - 2013	Short Term Course in An Introduction to Interactive Programming in Python. (Duration: 60h). Rice University, RICE, Houston, USA
2013 - 2013	Short Term Course in Dell Desktop Virtualization Solutions. Dell Computadores do Brasil, DELL, Eldorado Do Sul, Brasil
2012 - 2012	Short Term Course in Servidores PowerEdge C-1210. Dell Computadores do Brasil, DELL, Eldorado Do Sul, Brasil
2012 - 2012	Short Term Course in Dell Blade Server Solutions (Technical Training). Dell Computadores do Brasil, DELL, Eldorado Do Sul, Brasil
2012 - 2012	Short Term Course in Networking Fundamentals (Technical Training). Dell Computadores do Brasil, DELL, Eldorado Do Sul, Brasil
2012 - 2012	Short Term Course in Dell Force 10 C-Series Technical Overview. Dell Computadores do Brasil, DELL, Eldorado Do Sul, Brasil
2012 - 2012	Short Term Course in J_EX Series Platform Technical Overview. Dell Computadores do Brasil, DELL, Eldorado Do Sul, Brasil
2012 - 2012	Short Term Course in Virtualization (Portuguese). Dell Computadores do Brasil, DELL, Eldorado Do Sul, Brasil
2012 - 2012	Short Term Course in Network Policy. (Duration: 32h). Enterasys Networks, Inc, ENTERASYS, Brasil
2012 - 2012	Short Term Course in Dell Force 10 E-Series Technical Overview. Dell Computadores do Brasil, DELL, Eldorado Do Sul, Brasil
2012 - 2012	Short Term Course in The Junos OS Highlights (Technical Training). Dell Computadores do Brasil, DELL, Eldorado Do Sul, Brasil
2012 - 2012	Short Term Course in Dell PowerConnect LAN SAN Switching Technical. Dell Computadores do Brasil, DELL, Eldorado Do Sul, Brasil
2012 - 2012	Short Term Course in Dell Server Basics v3. Dell Computadores do Brasil, DELL, Eldorado Do Sul, Brasil
2011 - 2011	Short Term Course in Fundamentos no Gerenciamento de Projetos PMBoK 4ª (Portuguese). (Duration: 16h). TI.exames Consultoria e Treinamento Ltda, TI.EXAMES, Brasil
2011 - 2011	Short Term Course in Switching NMS and Routing Boot Camp. (Duration: 40h). Enterasys Networks, Inc, ENTERASYS, Brasil
2011 - 2011	Short Term Course in Intel Família Core. (Portuguese). Dell Computadores do Brasil, DELL, Eldorado Do Sul, Brasil
2011 - 2011	Short Term Course in ISO/IEC 20000 -Sistema de Gestão de Serviços de TI (Portuguese). (Duration: 5h). TI.exames Consultoria e Treinamento Ltda, TI.EXAMES, Brasil
2011 - 2011	Short Term Course in Governança de TI adotando o modelo do COBIT (R)4.1.

	(Portuguese). (Duration: 16h). TI.exames Consultoria e Treinamento Ltda, TI.EXAMES, Brasil
2011 - 2011	Short Term Course in Secure Wireless. (Duration: 32h). Enterasys Networks, Inc, ENTERASYS, Brasil
2011 - 2011	Short Term Course in Fundamentos da Segurança Informação ISO/IEC27002. (Portuguese). (Duration: 10h). TI.exames Consultoria e Treinamento Ltda, TI.EXAMES, Brasil
2011 - 2011	Short Term Course in Fundamentos em Gerenciamento de Serviços ITIL V3. (Portuguese). (Duration: 24h). TI.exames Consultoria e Treinamento Ltda, TI.EXAMES, Brasil
2010 - 2010	Short Term Course in Professional Certification Module in LCS2. (Portuguese). (Duration: 8h). Legrand Brasil, LEGRAND, Brasil
2009 - 2009	Short Term Course in Routing. (Duration: 32h). Enterasys Networks, Inc, ENTERASYS, Brasil
2009 - 2009	Short Term Course in Certification Plus. (Portuguese). (Duration: 32h). Panduit do Brasil, PANDUIT, Brasil
2009 - 2009	Short Term Course in Enterprise Management. (Duration: 40h). Enterasys Networks, Inc, ENTERASYS, Brasil
2008 - 2008	Short Term Course in Enterprise Switching. (Duration: 40h). Enterasys Networks, Inc, ENTERASYS, Brasil
1999 - 1999	Oracle 8:Otimização de Performance. (Portuguese). (Duration: 24h). Oracle Education, ORACLE, Brasil
1999 - 1999	Oracle 8: Administração de Rede. (Portuguese). (Duration: 12h). Oracle Education, ORACLE, Brasil
1999 - 1999	Oracle 8: Administração de Banco de Dados. (Portuguese). (Duration: 30h). Oracle Education, ORACLE, Brasil
1999 - 1999	Oracle 8: Backup e Performance. (Portuguese). (Duration: 18h). Oracle Education, ORACLE, Brasil
1998 - 1998	Otimização de aplicativos Oracle7-RL 7.2. (Portuguese). (Duration: 12h). Oracle Education, ORACLE, Brasil
1997 - 1997	Administering MS Windows 4.0. . (Duration: 28h). ATT Informática Treinamento, ATT, Brasil
1997 - 1997	Networking Essentials. (Duration: 20h). ATT Informática Treinamento, ATT, Brasil
1997 - 1997	Supporting MS Windows NT 4.0 - Core Technologies. . (Duration: 40h). ATT Informática Treinamento, ATT, Brasil
1997 - 1997	Creating and Conig. web Server (IIS 3.0). (Duration: 21h). ATT Informática Treinamento, ATT, Brasil
1997 - 1997	Supporting MS Windows NT 4.0 - Enterprise. (Duration: 40h). ATT Informática Treinamento, ATT, Brasil

Academic Experience

1. Universidade Federal de Minas Gerais – UFMG

Federal University of Minas Gerais – UFMG

2015 - Present	Contract: Scholarship holder for PhD degree. CNPq. Full-time dedication.
2017 - 2017	Contract: Project Manager in EU-BR FUTEBOL project (http://http://www.ict-futebol.org.br/). Part-time dedication.
2013 - 2015	Contract: Scholarship holder for M.Sc. degree. CAPES. Full-time dedication.

Activities

2015 - Present	Research and Development, WINET – Wireless Networks Group, Computer Science Department, Federal University of Minas Gerais Lines of research: Wireless Networks, Machine Learning
2017 - 2017	Project management of the UFMG part of the FUTEBOL project.

Professional Experience

1. Four net Teleinformática Ltda

2000 - 2013	Project Director. Full-time dedication.
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Activities

2000 - 2013	Field Team Coordination; Development of Electrical Engineering project based on Brazilian codes covering computer network, residencial, commercial and industrial buildings; Team and client training; Pre-sales role.
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2. Serviço de Apoio às Micro e Pequenas Empresas de Belo Horizonte - SEBRAE/MG

1992 - 1999	Information Technology Coordinator. Full-time dedication.
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Activities

1992 - 1999	TI Department Coordinator; Member of the Enterprise Planning Team.
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3. Serviço de Apoio às Micro e Pequenas Empresas de Belo Horizonte - SEBRAE/MG

1990 - 1992 Owner.
Full-time dedication.

Activities

1992 - 1999 Management; System Development, Client Training.

International Peer-Reviewed Publications

1. **Henrique D. Moura**; NUNES, M. H. N.; MIRANDA JUNIOR, G.; MACEDO, D. F.; CORREIA, L. H. A. Estimating Quality of Service on Wi-Fi Stations Using Recurrent Neural Networks In: 2019 IEEE 30th Annual International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC), 2019, Istanbul.
2. **Henrique D. Moura**; MACEDO, D. F. et al.. 2019. Automatic Quality of Experience Management for WLAN Networks using Multi-Armed Bandit In IFIP/IEEE International Symposium on Integrated Network Management IFIP/IEEE International Symposium on Integrated Network Management Washington 2019
3. **Henrique D. Moura**; NUNES, M. H. N. et al.. 2019. Estimating Quality of Service on Wi-Fi Stations Using Recurrent Neural Networks In International Symposium on Personal, Indoor and Mobile Radio Communications IEEE International Symposium on Personal, Indoor and Mobile Radio Communications Istanbul, Turkey 2019IEEE
4. SILVA, E. B. E.; **Henrique D. Moura** et al.. 2018. Comparison of Data Center Traffic Division Policies Using SDN In IEEE/IFIP Network Operations and Management Symposium IEEE/IFIP Network Operations and Management Symposium Taiwan 2018
5. ALVES, A. R.; **Henrique D. Moura** et al.. 2018. HomeNetRescue: An SDN Service for Troubleshooting Home Networks In IEEE/IFIP Network Operations and Management Symposium IEEE/IFIP Network Operations and Management Symposium Taiwan 2018
6. GUIMARAES, J. C. T.; **Henrique D. Moura** et al.. 2018. Dynamic Bandwidth Allocation for Home and SOHO Wireless Networks In 22th IEEE Symposium on Computers and Communications 2018 IEEE Symposium on Computers and Communications (ISCC) Natal 2018 IEEE (short paper)
7. **Henrique D. Moura**; BESSA, G. et al.. 2015. Ethanol: Software Defined Networking for 802.11 Wireless Networks In 14th IFIP/IEEE International Symposium on Integrated Network Management (IM) 14th IFIP/IEEE International Symposium on Integrated Network Management (IM) Ottawa 2015 Ottawa:

National (Brazilian) Peer-Reviewed Publications

1. GUIMARAES, J. C. T.; **Henrique D. Moura** et al.. 2019. Alocação dinâmica de largura de banda para redes sem fio infraestruturadas In Simpósio Brasileiro de Redes de Computadores e Sistemas Distribuídos - SBRC 2019 Simpósio Brasileiro de Redes de Computadores e Sistemas Distribuídos - SBRC 2019 Gramado/RS 2019

2. MIRANDA JUNIOR, G; **Henrique D. Moura** et al.. 2019.
Estimativa de Qualidade de Serviço em Estações Wi-Fi Utilizando Redes Neurais Recorrentes In Simpósio Brasileiro de Redes de Computadores e Sistemas Distribuídos - SBRC 2019 Simpósio Brasileiro de Redes de Computadores e Sistemas Distribuídos - SBRC 2019 Gramado/RS 2019
3. **Henrique D. Moura**; ALVES, A. R. et al.. 2018.
Caracterização de Interrupções na Internet usando RIPE Atlas In Caracterização de Interrupções na Internet usando RIPE Atlas XXXVI Simpósio Brasileiro de Redes de Computadores Campos do Jordão 2018 Porto Alegre: Sociedade Brasileira de Computação (SBC)
4. **Henrique D. Moura**; SILVA, E. B. E. et al.. 2017.
BWPING-UDP – Avaliando o Desempenho de Redes Sem Fio In Anais do SBRC 2017 - Trilha Principal e Salão de Ferramentas XXXV Simpósio Brasileiro de Redes de Computadores e Sistemas Distribuídos Belém 2017 1118-1124 Porto Alegre: Sociedade Brasileira da Computação (SBC)
5. SILVA, E. B. E.; **Henrique D. Moura** et al.. 2017.
Comparação de Políticas de Divisão de Tráfego em Data Center Empregando SDN In ANAIS SBRC 2017 - Trilha Principal e Salão de Ferramentas XXXV Simpósio Brasileiro de Redes de Computadores e Sistemas Distribuídos - SBRC 2017 Belém 2017 73-86 Porto Alegre: Sociedade Brasileira de Computação (SBC)
6. **Henrique D. Moura**; MACEDO, D. F.. 2017.
Controle de roteamento em redes mesh via SDN-usando heurísticas para Unsplittable Flow Problem In XLIX Simpósio Brasileiro de Pesquisa Operacional - Trabalhos Completos - Metaheurísticas XLIX Simpósio Brasileiro de Pesquisa Operacional Blumenau 2017 1891-1902 SOBRAPO
7. ALVES, A. R.; **Henrique D. Moura** et al.. 2017.
Um Serviço SDN para Detecção e Solução de Problemas em Redes Domésticas In Anais do WGRS 2017 XXII Workshop de Gerência e Operação de Redes e Serviços (WGRS) Belém 2017 96-109 Porto Alegre: Sociedade Brasileira de Computação (SBC)
8. MOTA, V. F. S.; **Henrique D. Moura** et al.. 2016.
Analisando a Capacidade de Descarregamento de Redes Moveis por meio de Redes Oportunísticas In Trilha Principal Simpósio Brasileiro de Redes de Computadores (SBRC) Salvador 2016
9. **Henrique D. Moura**, 1993.
O Modelo Japonês - Técnicas Gerencias. In XVII Encontro Anual da ANPAD (ENANPAD) Salvador, 1993.

Languages

Portuguese	native language
English	fluent speaker (TOEFL ITP test – 623/677)
French	intermediate (A2)
Spanish	intermediate (B1)