Geraldo Homero do Couto Neto
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EDUCATION

M.A. in History, 2022
Area of Concentration: History, Culture and Power
Federal University of Juiz de Fora (UFJF)*, Brazil
B.Ed. in History, 2021
Federal University of Juiz de Fora (UFJF)*, Brazil
B.A. in History (Minor in Cultural Heritage), 2018
Federal University of Juiz de Fora (UFJF)*, Brazil
A.S. in Software Development and Analysis, 2024
Pontifical Catholic University of Minas Gerais (PUC Minas), Brazil

Additional Training

Data Analysis with Python, 2024
University of São Paulo (USP), Brazil
Mining, Topic Modeling, and Multivariate Analysis of Textual Data from YouTube, 2024
Federal University of Tocantins (UFT), Brazil

PUBLICATIONS

Master's thesis

G. H. Couto Neto. (Des)fazendo História na Internet: visões acerca da Ditadura Militar Brasileira em canais da "nova direita" no YouTube (2013-2018) [(De)constructing History on the Internet: Views on the Brazilian Military Dictatorship in channels of the "new right" on YouTube (2013-2018)]. Master's Thesis. Federal University of Juiz de Fora, Brazil, 2022. https://doi.org/10.34019/ufjf/di/2022/00214

Undergraduate thesis

G. H. Couto Neto. Negacionismo da ditadura em sala de aula: entre a memória e a história [Negationism of the Brazilian Military Dictatorship in the Classroom: Between Memory and History]. Licentiate Thesis in History. Federal University of Juiz de Fora, Brazil, 2021. http://dx.doi.org/10.13140/RG.2.2.18274.95686

G. H. Couto Neto. As histórias que contam por aí: a Ditadura Militar Brasileira aos olhos de três canais conservadores do YouTube [The Stories They Tell: The Brazilian Military Dictatorship Through the Eyes of Three Conservative YouTube Channels]. Bachelor's thesis in History. Federal University of Juiz de Fora, Brazil, 2018. http://dx.doi.org/10.13140/RG.2.2.29915.37929

Peer-reviewed Journal Articles

G. H. Couto Neto and J. Di Lourenço. Natureza e Cultura: da rejeição à (re)construção [Nature and Culture: from rejection to (re)construction]. *CSOnline (UFJF)*, p. 156-176, 2019. https://doi.org/10.34019/1981-2140.2018.17510

G. H. Couto Neto. A "nova direita" no YouTube: conservadorismo e negacionismo histórico sobre a Ditadura Militar Brasileira [The "New Right-Wing" on YouTube: conservatism and historical negationism about the Brazilian Military Dictatorship]. R*evista Ágora (Vitória) [ISSN:1980-0096],* v. 29, p. 83-103, 2019.

Peer-reviewed Journal Articles accepted for publication

G. H. Couto Neto. História Digital e Web 2.0: apontamentos para uma análise da ação política e ideológica da nova direita no YouTube [Digital history and Web 2.0: notes for an analysis of the political and

ideological action of the new right-wing movement on YouTube]. *Convergências: Estudos em Humanidades Digitais,* 2024. Future DOI: https://doi.org/10.59616/cehd.v2i6.

Conference proceedings papers

G. H. Couto Neto. Conservadorismo no YouTube e a Ditadura Militar Brasileira [Conservatism on YouTube and the Brazilian Military Dictatorship]. In: *VIII UFMG History Research Meeting*, 2019, Belo Horizonte. Annals - VIII UFMG History Research Meeting, 2019. p. 2163-2171.

G. H. Couto Neto. Tão Felizes (nunca fomos): a memória da luta armada na Ditadura Militar Brasileira a partir do filme "Nunca fomos tão felizes" [So happy (we never were): the memory of the armed struggle in the Brazillian Military Dictadorship from the film "We never were so happy"] In: *Electronic Annals of the XXXIV History Week*, Juiz de Fora: UFJF History Week, 2018. p. 937-944.

G. H. Couto Neto. Memória, História e Cinema: Miguel Littín – Cineasta clandestino no Chile de 1985 [Memory, History, and Cinema: Miguel Littín - Clandestine Filmmaker in Chile in 1985]. In: *VI EPHIS - Time: permanences, ruptures and transitions in History - Electronic Annals.* Belo Horizonte: VI EPHIS, 2017.

Working papers

Machine learning for Digital Humanities: YouTube data as a case study of uses and abuses of the past, Convergências: Estudos em Humanidades Digitais. In: *Dossiê: Digital Humanities and Artificial Intelligence,* 2025.

Digital positivism: doing History in the age of infinite data, artificial intelligence and collective oblivion. 2025.

RESEARCH EXPERIENCE

2019 – 2022, Graduate Research Associate | Master's Degree
- UFJF Graduate Scholarship Program and CAPES Funding, Brazil
As a researcher in the Graduate Program in History at UFJF, supported by CAPES funding, I conducted a Digital History research project. My work involved discourse analysis using Python, R, and IRaMuTeQ, and the development of databases hosted on server and cloud platforms. I utilized MS Power BI and Python libraries for data visualization. I systematically organized born-digital sources from YouTube Data Tools and investigated topics related to network society, social networks websites, data economy, info-exploitation, infrastructure, and language. My research also included digital data analysis and the development of methodologies for project implementation using GNU PSPP.
Advisor: Fernando Perlatto, PhD.

2017 – 2018, Undergraduate Thesis | B.A. in History
- History Department, UFJF
My main responsibilities in this undergraduate research were analyzing data from born digital sources, reviewing literature, analyzing data, and writing my undergraduate thesis. I analyzed three channels of the Brazilian new right-wing movement on YouTube, and their respective videos about the Brazilian Military Dictatorship, their comments, and metadata.
Advisor: Fernando Perlatto, PhD.

2018 – 2019, Undergraduate Research Associate
- Laboratory of Oral History and Image (LABHOI), UFJF
Awarded a scientific initiation scholarship for the research project "Present Pasts: Quilombola Communities and the Memory of Slavery in the Zona da Mata Mineira," The project aimed to establish and consolidate the research line "Memory, Africas, Slavery" within LABHOI/UFJF. It was an integrated research initiative involving various laboratories at UFJF, focusing on a comparative analysis of the African diaspora generated by the illegal trafficking of enslaved Africans to Brazil during the mid-19th century. The study explored how the memory of this violent history has been politically interpreted in terms of labor relations, racialization

processes, and citizenship rights on both sides of the Atlantic throughout the 19th and 20th centuries, with particular attention to Mozambique and the Zona da Mata Mineira.
Advisor: Hebe Mattos, PhD.

LABORATORY MEMBERSHIP

2018 – 2022, Laboratory of Political and Social History (LAHPS/UFJF)

2018 – 2019, Laboratory of Oral History and Image (LABHOI/UFJF)

2017 – 2018, Laboratory of Cultural Heritage (LAPA/UFJF)

TEACHING EXPERIENCE

2023 – Present, Teaching Assistant | Web and Mobile Software Development
- *Pontifical Catholic University of Minas Gerais (PUC Minas), Brazil*
In this role, I support the development of mobile applications using React Native and provide guidance on version control systems such as Git and GitHub. I assist students with assignments, offer tutoring, and collaborate with instructors in the creation of lesson plans. Additionally, I facilitate workshops on front-end web technologies—including HTML, CSS, JavaScript, Python, and React—and organize online coding labs. I also mentor students in project planning to ensure their work meets academic standards, contributing to the academic success of over 150 students.
Advisor: Sandra Silveira, MSc.

2021 – 2021, High School Teaching Intern
- *João XXIII Application School, UFJF, Brazil*
As part of my License degree in History, I developed educational materials and delivered lessons on the Brazilian Republic and Contemporary History, including the 1964 military coup and the ensuing dictatorship. The curriculum also addressed the negationism of historical events and strategies for identifying and debunking fake news online.
Advisors: Marcelo Romero, PhD and Anderson Ferrari, PhD.

PROFESSIONAL EXPERIENCE

2023 – 2023, Data Analysis Summer Internship
- *Tristão Electrical Panels, Brazil*
During my summer internship, I conducted data analysis within the renewable energy, sustainability, and project sectors. I designed interactive dashboards utilizing tools such as Microsoft Power BI, Google Looker Studio, MS Project, and MS Access to enhance data visualization. Additionally, I automated routine tasks using Python to improve operational efficiency and implemented Kanban methodologies to streamline project management. I developed a beta version of a web application to calculate solar panel energy output using web frameworks and created a Python application for extracting emails from various file formats, including .csv, .pdf, and .docx, to facilitate data mining for the marketing team.
Advisors: Denise Polato, MSc and Sandra Silveira, MSc.

2017 – 2018, Undergraduate Extension Scholarship Holder
- *Center for Memory Conservation (CECOM/UFJF)*
As an extension scholarship holder in the "History of UFJF" project at CECOM and the Laboratory of Cultural Heritage (LAPA), I was responsible for the technical processing and organization of documentary, digital, and iconographic archives of the Central Directory of Students (DCE) at UFJF.
Advisors: Rodrigo Christofoletti, PhD and Marcos Olender, PhD.

2016 – 2017, Professional Training | Archivist
- *Historical Archive of UFJF*
In this role, I implemented preservation techniques to maintain historical documents, developed an organized system for cataloging and digital archiving, and conducted research to authenticate and appraise documents.

I facilitated public access to archives through exhibitions and workshops, managed the archival database, and collaborated with other professionals to support various projects and initiatives within the archive.

GRANTS AND FELLOWSHIPS

CAPES Master's Research Fellowship, Coordination for the Improvement of Higher Education Personnel, Brazil, 2020 – 2021.

Master's Fellowship, UFJF's Graduate Scholarship Program, UFJF, 2019 – 2020.

Undergraduate Scholarship, Undergraduate Research Scholarship Program, UFJF, 2018 – 2019.

Undergraduate Scholarship, Extension Project, UFJF, 2017-2018.

Undergraduate Scholarship, Professional Training, UFJF, 2016 – 2017.

AWARDS

Software Showcase - Featured Project, 4th semester | PUC Minas, 2024.

Software Showcase - Featured Project, 1st semester | PUC Minas, 2022.

CONFERENCE AND SEMINAR PRESENTATIONS

Present Time and Digital History: The memory of the Military Dictatorship on YouTube and Methodologies for the analysis of born-digital sources. 2024.

History and digital sources: the Brazilian right on YouTube (2013-2018). 2020.

Conservatism on YouTube and the Brazilian Military Dictatorship. 2019.

Public history and memory of the Brazilian military dictatorship: debates from conservative YouTube channels. 2019.

Memory disputes on Brazilian YouTube. 2019.

Martyrdom (Brazilian documentary, 2016): an analysis of discourses on the environment. 2018. Presented with J. Di Lourenço.

View and Review: The enigma of Giorgio De Chirico's mannequins in the Murilo Mendes art collection. 2018. Presented with J. Di Lourenço.

So happy (we never were): The memory of the armed struggle in the Brazilian military dictatorship from the film 'We were never so happy' (1984, Murilo Salles). 2018.

Memory, Cinema and History: Miguel Littin, Clandestine Filmmaker in Dictatorial Chile in 1985. 2017.

Anthropocentrism, Anthropocene and Interdisciplinarities in History. 2017. Presented with J. Di Lourenço.

The search for a Brazilian national identity in the film 'The Awakening of the Redeemer' (Humberto Mauro, 1942). 2017.

The importance of heraldic science for the Brazilian nobility and the coat of arms of Diogo Velho, the Viscount of Cavalcanti. 2017. Presented with A. J. Alvim and E. G. Souza.

The Genealogy of Anthropocentrism: Perspectives on the Relations between Humans, Nature and Animals. 2017. Presented with J. Di Lourenço.

ACADEMIC & VOLUNTEER SERVICE

2024 – 2024, Volunteer NGO Website Development
- *PUC Minas Extension Program*

2019 – 2019, Editorial Team Volunteer
- *History Department, UFJF*

As a member of the Editorial Team for Locus: Revista de História, the research publication of the Department and Graduate Program in History at UFJF, I contributed to the editorial process of this Qualis A2 journal, which has an h-index of 25 and an i10-index of 96. My responsibilities included reviewing submissions, assisting in manuscript preparation, and supporting the dissemination of scholarly work within the community.

2016 – 2017, Elected Academic and Cultural Events Coordinator
- History Academic Center, UFJF
I played a pivotal role in the organization and management of academic and cultural events for the Undergraduate History Program at UFJF. My contributions included coordinating seminars, conferences, courses, film clubs, artistic performances, and research workshops. I also facilitated academic paper presentations and organized large-scale events, such as the History Week, on two separate occasions, fostering a vibrant intellectual community within the department.

CONFERENCES ORGANIZATION

XXXIV UFJF History Week: Gender, Race, Sexuality and Class: Intersectional Potentialities from the Historical perspective. 2018.

II Internal Meeting of History of UFJF: 30 years of the Federal Constitution and the directions of democracy in Brazil. 2018.

XXXIII UFJF History Week: Brazilian artistic representations: from the Second Reign to the Vargas Era. 2017.

XXXII UFJF History Week: The Social Role of the Historian: Contemporary Challenges for the Writing of History. 2016.

Organization of conference proceedings

G. H. Couto Neto, J. Di Lourenço, L. S. Silva and V. F. Lopes. Electronic conference proceedings of the XXXIV UFJF History Week. Juiz de Fora, 2018.

PROFESSIONAL AFFILIATION

National History Association (ANPUH – Minas Gerais, Brazil), 2018 – 2024

TECHNICAL SKILLS

Data Analysis

Python, Spyder, R, RStudio, Anaconda, PyTorch, Pandas, scikit-lean, BERTopic, Topic Modeling, Machine Learning, Data Mining, Jupyter, Rust, C, Bash, Shell script, Markdown.

Web

HTML, CSS, JavaScript, TypeScript, React.js, Vite.js, Next.js, Node.js React Native, Expo, C#, .NET, ASP.NET, Wordpress, SQLite, MySQL, SQLServer, NoSQL, Mongodb, Microsoft Azure, Google Firebase.