

Eduardo Cunha Campos

Professor and Researcher

Department of Computing (DECOM),
Federal Center for Technological Education of Minas Gerais
Av. Amazonas, 7675, Building 17, room 403, ☎ (31) 33196870
📍 Nova Gameleira, 30510000 - Belo Horizonte, MG – Brazil
✉ edu@cefetmg.br 🏠 <https://eduardocunha11.github.io/firstblog/>

Summary

Eduardo Campos is a Professor and Researcher at Federal Center for Technological Education of Minas Gerais (CEFET-MG) since August 2019. He received his PhD in 2019 from Federal University of Uberlandia in Brazil. His areas of research interest are: Software Maintenance, Empirical Software Engineering and Software Engineering. In the past, he worked for 3 years in software development companies and has experience with web and distributed solution architecture. He received several awards, including ACM SIGSOFT Distinguished Paper award at ICPC 2014 and Second Best Tool Award at CBSOFT 2014. In 2017, he presented a full paper at the ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM) conference, held in Toronto, Canada. He is currently a Journal Reviewer for INFORMATION AND SOFTWARE TECHNOLOGY. At CEFET-MG, he uses both quantitative and qualitative methods to investigate and overcome software engineering challenges. His h-index is 7 and he has been cited 170+ times according to Google Scholar. His homepage is <https://eduardocunha11.github.io/firstblog/>. Follow him on Twitter @eduardocunha080.

Education:

Ph.D., 2019, Computer Science, Federal University of Uberlandia. Thesis: Advice of Knowledge Available on Q&A Sites to Aid Software Development and Debugging.
Advisor: Professor Marcelo Maia.

M.S., 2015, Computer Science, Federal University of Uberlandia. Thesis: Crowd Knowledge Recommendation to Aid Software Development.
Advisor: Professor Marcelo Maia.

B.Tech., 2010, Computer Science, Federal University of Uberlandia, Uberlandia, Brazil.

Areas of Interest:

Software Maintenance, Empirical Software Engineering, Software Engineering.

Major Awards of Recognitions:

1. **ACM SIGSOFT Distinguished Paper award at ICPC 2014** (In best 6 papers) - Ranking Crowd Knowledge to Assist Software Development.
2. **2nd Best Tool Award at CSoft 2014**: Nuggets Miner: Assisting Developers by Harnessing the Stack Overflow Crowd Knowledge and the GitHub Traceability, Brazilian Computer Society (SBC).

Professional Experience:

Associate Professor , Department of Computing, Belo Horizonte, Brazil Federal Center for Technological Education of Minas Gerais (CEFET-MG)	08/2019–Present
Assistant professor , Department of Computer Science, Monte Carmelo, Brazil Federal University of Uberlandia (UFU)	09/2018–07/2019
Assistant Professor , Department of Computer Science, Monte Carmelo, Brazil Federal University of Uberlandia (UFU)	05/2015–07/2016
Java Software Developer , Softbox Serviços em TI, Uberlandia, Brazil	07/2012–04/2013
Java Software Developer , Cedro Market & Finances, Uberlandia, Brazil	08/2009–06/2012

Publications:

Journals

- J.1. SOUZA, LUCAS B.L.; CAMPOS, EDUARDO C.; MADEIRAL, FERNANDA; PAIXÃO, KLÉRISON; ROCHA, ADRIANO M.; MAIA, MARCELO DE ALMEIDA. Bootstrapping Cookbooks for APIs from Crowd Knowledge on Stack Overflow. INFORMATION AND SOFTWARE TECHNOLOGY, v. online, p. 1-16, 2019.
- J.2. CAMPOS, EDUARDO C.; MAIA, MARCELO DE A. Discovering common bug-fix patterns: A large-scale observational study., JOURNAL OF SOFTWARE: EVOLUTION AND PROCESS, v. 31, 2019.
- J.3. CAMPOS, E. C.; SOUZA, L. B. L. ; ALMEIDA MAIA, M. . Searching crowd knowledge to recommend solutions for API usage tasks. JOURNAL OF SOFTWARE: EVOLUTION AND PROCESS, v. 28, p. 863-892, 2016.

International Conferences

Summary: Some conferences are selective, with rigorous peer review, and archival published proceedings, they are numbered in bold.

- C*.1.** CAMPOS, E. C.; ALMEIDA MAIA, M. . Mining Historical Information to Study Bug Fixes. In: International Conference on Information Technology: New Generations, 2017, Las Vegas, Nevada, USA. 14th International Conference on Information Technology: New Generations (ITNG), 2017. p. 1-6.
- C*.2.** CAMPOS, E. C.; ALMEIDA MAIA, M. . Common Bug-fix Patterns: A Large-Scale Observational Study. In: International Symposium on Empirical Software Engineering and Measurement, 2017, Toronto, Canada. Proceedings of the 11th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM), 2017. p. 1-10.
- C*.3.** CAMPOS, E. C.; MONPERRUS, M. ; ALMEIDA MAIA, M. . Searching Stack Overflow for API-usage-related Bug Fixes Using Snippet-based Queries. In: International Conference on Computer Science and Software Engineering - CASCON, Markham, Ontario, Canada. Proceedings of 26th Annual International Conference on Computer Science and Software Engineering. Riverton, USA: IBM, 2016, p. 1-10.
- C*.4.** SOUZA, L. B. L. ; CAMPOS, E. C. ; ALMEIDA MAIA, M. . Ranking Crowd Knowledge to Assist Software Development. In: International Conference on Program Comprehension - ICPC'2014, 2014, Hyderabad, India. Proc. of the 22nd International Conference on Program Comprehension, 2014. p. 1-11.
- C*.5.** SOUZA, L. B. L. ; CAMPOS, E. C. ; ALMEIDA MAIA, M. . On the Extraction of Cookbooks for APIs from the Crowd Knowledge. In: Congresso Brasileiro de Software (CBSOFT), 2014, Maceio - AL. Proc. of the 28th Brazilian Symposium on Software Engineering (SBES), 2014. p. 1-10.
- C*.6.** CAMPOS, E. C.; SOUZA, L. B. L. ; ALMEIDA MAIA, M. . Nuggets Miner: Assisting Developers by Harnessing the Stack Overflow Crowd Knowledge and the GitHub Traceability. In: Brazilian Conference on Software: Theory and Practice (CBSOFT 2014) - Tool Session, 2014, Maceio, AL. Proc. of the Brazilian Conference on Software: Theory and Practice (CBSOFT 2014) - Tool Session, 2014. p. 1-8.
- C*.7.** CAMPOS, E. C.; ALMEIDA MAIA, M. . Automatic categorization of questions from Q&A sites. In: ACM Symposium on Applied Computing - SAC, 2014, Gyeongju, Korea. Proc. of the 29th Symposium On Applied Computing, 2014. p. 1-3.

Teaching:

1. Introduction to Programming Basic C programming, with enrollments up to 50.
2. Object Oriented Programming in Java. (Typically offered twice a year), with enrollments up to 50.
3. Undergraduate Software Engineering. (Typically offered twice a year). A core software-engineering class, including a major design project. Concepts emphasized include object-oriented software engineering, teamwork, web service construction and design, with enrollments frequently exceeding 100.