Caio Duarte Diniz Monteiro

Computer Science & Engineering, Microsoft Corp.

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Objective

Seeking **Software Engineering full-time position**.

Summary

Software Engineer, Microsoft. Part of the Common Data Services experiences team. Accessibility champion for the team.

PhD in Computer Science - Graduated: *August 2018*. GPA: 4.0/4.0

PhD Software Engineer Intern, Google Inc., Summer 2017. Inter for the Brand Lift team, working with prediction models.

Education

PhD in Computer Science, *Texas A&M University,* College Station, Texas, GPA: 4.0/4.0, **August 2018**
    Relevant Subjects: Software Engineering, CHI, Intelligent User Interfaces, Analysis of Algorithms, Pattern Analysis

BS in Computer Engineering, *University of Pernambuco,* Recife-PE, Brazil, **December 2012**

Skills

Languages	Typescript, C#, ASP.Net, Java, Python, C++, SQL, HTML, JavaScript, XML/JSON, CSS
SW Dev. Tools	Visual Studio, Matlab, Aptana Studio, Eclipse, OpenFrameworks, coLaboratory
Collaboration Tools	Version Control (TFS, Git, SVN), Project Management (JIRA, Pivotal Tracker), Wiki (Atlassian Confluence)
Techniques	Machine Learning, Computer Vision, Image Processing, Data Analysis
Database	SQLServer, MySql

Work Experience

Software Engineer, *Microsoft Corp.,* Bellevue, WA, August 2018 - Current
    Part of the Common Data Services experiences team. Working with React and Typescript to develop UIs where users can create and manage their data models to be used in PowerApps. Accessibility champion for the team, responsible for making sure that all our experiences are compliant with current accessibility standards.
    Project website: **https://powerapps.microsoft.com**

Graduate Teaching Fellow, *Texas A&M University,* College Station, TX, Fall 2017 – Spring 2018
    Primary instructor for the undergraduate course *CSCE 111-Introduction to Computer Science Concepts and Programming* of the Computer Science and Engineering department.

PhD Software Engineer Intern, *Google Inc.,* Los Angeles, CA, Summer 2017
    Intern for TV Lift, part of the Brand Lift team, working with user modeling and prediction models. Brand Lift team measures the impact of marketing campaigns along different stages of the consumer journey.
    Project website: **https://thinkwithgoogle.com/products/brand-lift/**

PhD Research Assistant, *Texas A&M University, College of Liberal Arts,* College Station, TX, Fall 2016 – Spring 2017
    Working with text mining and topic modeling on the NovelTM project. The project seeks to produce the first large-scale cross-cultural study of the novel according to quantitative methods.
    Project website: **http://novel-tm.ca/**

Teaching Assistant, *Texas A&M University*, College Station, TX, January 2015 – May 2016
    Teaching Assistant for the Computer Science & Engineering Department undergraduate course CSCE 221: Data Structures and Algorithms. Lectured in lab sessions, created and graded assignments and exams for approximately 60 students.

Software Engineer, *Suati,* Recife-PE, Brazil, February 2012 – June 2014
    As technical leader of the energy auction platform project, designed and implemented websites using ASP.Net, JavaScript and SQL Server; developed unit testing cases; specified new features for the systems; created and maintained project documentations.
    Company website: **http://www.suati.com.br**

Extra-Curricular Activities

Awards	**IEEE MIPR 2018 Best paper award,** Miami, FL, April 2018
	CSE Department Travel Grant, Texas A&M University, March 2016
	Scholarship for Academic Internship, Texas A&M University, 2011
Leadership	**Professional Development Officer**, Comp. Science Grad. Student Association (CSEGSA), TAMU, 2016
	IT Officer/Webmaster, Brazilian Students Association (BRSA), Texas A&M University, 2014-2015

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Publications

1. **Monteiro, Caio DD**, et al. "Tradeoffs in the Efficient Detection of Sign Language Content in Video Sharing Sites." ACM Transactions on Accessible Computing (TACCESS) 12.2 (2019): 5.
2. Shipman, Frank, and **Caio Monteiro**. "Crawling and Classification Strategies for Generating a Multi-Language Corpus of Sign Language Video." 2019 ACM/IEEE Joint Conference on Digital Libraries (JCDL). IEEE, 2019.
3. **(Best paper award) Monteiro, Caio Duarte Diniz**, Frank Shipman, and Ricardo Gutierrez-Osuna. "Comparing Visual, Textual, and Multimodal Features for Detecting Sign Language in Video Sharing Sites." 2018 IEEE Conference on Multimedia Information Processing and Retrieval (MIPR). IEEE, 2018.
4. Frank Shipman, **Caio D. D. Monteiro**, and Ricardo Gutierrez-Osuna, "Speed-Accuracy Tradeoffs for Detecting Sign Language Content in Video Sharing Sites", ASSETS, 2017.
5. **Monteiro, Caio D.D.**, et al. "Detecting and Identifying Sign Languages through Visual Features." Multimedia (ISM), 2016 IEEE International Symposium on. IEEE, 2016.
6. F. E. A. Horita, D. S. Braga, and **C. D. D. Monteiro**, "The use of multimodal interaction for supporting the production of location-based information", IEEE Latin American Transactions, 2016.
7. **Caio D. D. Monteiro**; Meenakshi Narayanan; Seth Polsley; Tracy Hammond, "A Multilingual Sketch-based Sudoku Game with Real-time Recognition", Proceedings of the 2016 Conference on Pen and Touch Technology in Education. 2016.
8. F. Shipman; R. Gutierrez-Osuna; T. Shipman; **C. Monteiro**; V.Karappa, "Towards a Distributed Digital Library for Sign Language Content", Proceedings of ACM/IEEE Joint Conference on Digital Libraries, 2015, pp. 187 – 190.
9. V. Karappa; **Caio D. D. Monteiro**; F. Shipman; R. Gutierrez-Osuna, "Detection of Sign-Language Content in Video through Polar Motion Profiles", Proceedings of IEEE International Conference on Acoustics, Speech, and Signal Processing, 2014, pp. 1290-1294.
10. F. Shipman; **Caio D. D. Monteiro**; R. Gutierrez-Osuna, "Identifying Sign Language Videos in Video Sharing Sites", ACM Transactions on Accessible Computing, Vol. 5, No. 4, (March 2014), 9:1-9:14.
11. **Caio D. D. Monteiro**; Diego M. P. F. Silva; Carmelo J. A. Bastos-Filho, "On the Analysis of a Swarm- Intelligence Coordination Model for Swarm Robots". In: The Second International Conference on Intelligent Systems and Applications (INTELLI 2013), 2013, Venice, Italy. p. 103 – 108.
12. **Caio D. D. Monteiro**; R. Gutierrez-Osuna; F. Shipman, "Design and Evaluation of Classifier for Identifying Sign Language Videos in Video Sharing Sites". In: 13th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS 2012), 2012, Colorado, USA. p. 191 – 198.