

Caio Batista de Melo

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Education

- 2018–present **Ph.D. in Computer Science**, *University of California, Irvine*, Irvine, CA, GPA: 3.88/4.0.
Awarded Full Financial Support for Duration of Program
- 2017–2018 **M.Sc. in Informatics**, *University of Brasília*, Brasília, Brazil, GPA: 4.60/5.0.
- 2012–2017 **B.Sc. in Computer Science**, *University of Brasília*, Brasília, Brazil, GPA: 3.74/5.0.
- 2015–2016 **Visiting student**, *Fordham University*, New York, NY, GPA: 3.79/4.0.

Research & Work Experience

- 9/2018 – **Graduate Student Researcher**, *Dutt Research Group*, University of California, Irvine.
present I am working with Prof. Nikil Dutt on the Information Processing Factory (IPF) project. My current project is to explore how applications behave when emergent behaviors are present, and how we can detect, reason, and react to these unexpected system actions. Our goal is to enable systems to be proactive about these emerging behaviors so that they can maintain safe execution at runtime.
- 6/2019 – **IT/Product Security Intern**, *Information Security*, Cal/Amp.
9/2019 Worked with the Information Security team in different projects that aim to secure the company's network and assets. Furthermore, I also took lead in a project that tried to detect anomalies to facilitate the visibility of uncommon behaviors on the network.
- 8/2016 – **Research Assistant**, *Software Engineering Lab.*, University of Brasília.
8/2018 Conducted research with Prof. Genáina Rodrigues on reliable systems by exploring different ways to analyze implied scenarios in distributed systems. I wrote a senior monograph and a master's thesis on the subject, and we published our results in the Journal of Systems and Software.
- 6/2016 – **Research Assistant**, *Lab. of Informatics and Data Mining*, Fordham University.
8/2016 Worked on the WATSHERE project, led by Prof. Frank Hsu. We used the IBM Watson framework to provide curated information for students' parents and staff of the Public School #85 in the Bronx. We published the results of this project at the 2017 Global Business and Technology Association conference.
- 2/2015 – **Java Development Intern**, *Computer Science Department*, University of Brasília.
7/2015 Helped to develop teaching tools for the Introduction to Programming class. Worked on the development of a tool that randomized exam questions among students.

Teaching Experience

Teaching Assistant

- Introduction to Programming, *Fall '18 – Spring '20*, University of California, Irvine
- Introduction to Programming, *Spring '18*, University of Brasília

Tutor

- Introduction to Programming, *Fall '12 – Spring '14, Spring '16*, University of Brasília
- Object-Oriented Programming, *Spring '14*, University of Brasília

Skills

C, C++, Java, Python, SPLUNK

Honors and Awards

- 2019 **UCI Certificate of Teaching Excellence.**
Awarded by the Division of Teaching Excellence & Innovation of the University of California, Irvine, in recognition of advanced training in evidence-based pedagogy.
- 2018–2019 **UCI Dean's Award.**
Scholarship awarded by the University of California, Irvine, to first-year Ph.D. students in recognition of outstanding research potential.
- 2017–2018 **CAPES Master's Scholarship.**
Awarded by the Brazilian Coordination for the Improvement of Higher Education Personnel (CAPES), to promote the training of high-level human resources through scholarships for graduate students.