Bárbara Gomes Ribeiro
barbaragomes@dcc.ufmg.br

EDUCATION	**BSc in Computer Science**	2018 - Present
	Universidade Federal de Minas Gerais (UFMG)	Current GPA: 4.80/5.00

Mechatronics Technician   2015 - 2017
Centro Federal de Educação Tecnológica de Minas Gerais (CEFET-MG)
High School integrated technical course in Mechatronics

EXPERIENCE

Research Assistant   Jun 2020 - Present
Department of Computer Science, UFMG
• Member of Covid Data Analytics. Currently studying user behavior on YouTube during the Covid-19 pandemic.

Teaching Assistant
  ↪ **Computational Linear Algebra**   Mar 2020 - Present
  ↪ **Programming and Software Development I**   Aug 2019 - Dec 2019
Department of Computer Science, UFMG
• Created and marked assignments and exercises;
• Conducted weekly sessions with students reviewing the course content;
• Provided students with online support.

Mechatronics Technician Intern   Jun 2018 - Mar 2019
CEMIG
• Worked on the maintenance team of the underground power distribution sector with a focus on analyzing inspections results and planning corrective actions.

Research Assistant   Jan 2016 - Dec 2016
Nucleus of Research in Language and Technology (INFORTEC), CEFET-MG
• Research Grant given by the Brazilian National Council for Scientific and Technological Development (CNPq);
• Development of the project "Desenvolvimento de um mundo de blocos para ações robóticas do robotlplc" (Development of a blocks world for robotlplc robotic actions) with focus on making and recognizing with computer vision techniques a 3D printed world of blocks for robotlplc.

Volunteer Research Assistant   May 2015 - Dec 2015
Nucleus of Research in Language and Technology (INFORTEC), CEFET-MG
• Worked on the development of robotlplc, a cartesian robot based on Terry Winograd's virtual robot SHRDLU.

SELECTED PUBLICATIONS

• B. RIBEIRO, C. LUCAS, G. CARVALHO. Ações robóticas baseadas em PLN incidentes sobre o micromundo do robotlplc. In Proceedings of the Mostra Nacional de Robótica, 2015, Uberlândia.
(NLP based robotic actions incident on robotlplc microworld)

• B. RIBEIRO, C. LUCAS, G. CARVALHO. Desenvolvimento de um mundo de blocos para ações robóticas do robotlplc. In Proceedings of the Mostra Nacional de Robótica, 2016, Recife.
(Development of a blocks world for robotlplc robotic actions)

AWARDS

• Research Grant and Academic Merit Award at Mostra Nacional de Robótica 2015 *(National Robotics Fair)* for the project "Ações robóticas baseadas em PLN incidentes sobre o micromundo do robotlplc" *(NLP based robotic actions incident on robotlplc microworld)*

• Honored as Featured Application at Mostra Nacional de Robótica 2016 *(National Robotics Fair)* for the project "Desenvolvimento de um mundo de blocos para ações

robóticas do robotlplc" *(Development of a blocks world for robotlplc robotic actions)*

- Bronze medal at Brazilian Mathematical Olympiad of Public Schools

PROJECTS

Women in CBTM 2020

Web scraping and data analysis from the Brazilian Confederation of Table Tennis (CBTM) with focus on understanding women participation in the sport to guide and support new gender-oriented initiatives being proposed to CBTM.

Academic Project: ENEM data analysis 2019

Analysis of ENEM's results and socioeconomic data from the candidates and schools with focus on understanding how grades are affected by the student's background. ENEM is the Brazilian university entrance exam.

SKILLS

Computer Languages: Python, C++, C, R, SQL, Javascript (beginner)
Natural Languages: Portuguese (mother tongue), English (advanced), French (beginner)