Lucas Bivar

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Language: Native Portuguese

Education

Instituto Federal da Paraíba **February 2020 – December 2024**
Bachelor of Science in Computer Engineering; GPA - 9.94/10 *Fourth Period (4/10)*

Experience

Meta (Facebook) **November 2021 – February 2022**
LATAM Tech Mentorship Mentee
- One of 50 students selected from Latin America to be part of the Meta Tech Mentorship. During this mentorship, I'm was mentored by a Facebook Engineer about concepts utilized during technical interviews, seeking to up-skilling my engineering capabilities.

Instituto Federal da Paraíba **September 2020 – January 2022**
Researcher Fellow
- The research project aims to develop a Conversational Agent to help students with the programming learning process. The Conversational Agent seeks to answer questions about basic programming concepts and recommend questions about the subject asked, according to the student's level of knowledge.
- Developed a deep learning chatbot using Tensorflow and Flask to detect and classify the intention present in the questions asked by the students, and a web application to host the chatbot using React.js, Express.js, and MongoDB.
- Published a paper with the Conversational Agent Architecture in Brazilian Journal of Development.

Projects

Covid-19 Tracker App | *Flutter*
- Developed a mobile app for tracking Covid-19 cases around Brazil. The data used was provided by a third-party API. Furthermore, the app show tips to prevent contamination with Covid-19.

Fylo Landing Page | *Javascript, React*
- Developed a front-end landing page for a fake company that offers shared cloud storage.

Soccer League API | *Javascript, Express.js, MongoDB, Swagger*
- Developed an API to a fake soccer league, allowing to create soccer players, teams, and to relate players to the existing teams.

Technical Skills

Tools: Python, C++, HTML/CSS, JavaScript, React, Express.js, SQL, MongoDB, Linux, Git
Interests: Software Engineering, Data Structures and Algorithms, Back-end Development, Web Development

Extracurricular

Olympic Programming Project **September 2021 – January 2022**
Instructor Volunteer *Instituto Federal da Paraíba*
- Prepared students from Instituto Federal da Paraíba and partners schools to Programming Olympiads, teaching Data Structures, Graphs Algorithms, and Programming Techniques.
- The project aims to attract the students to the computer science area since the Olympics Programming's syllabus is very relevant to this area. Moreover, the competitive environment promotes creativity, teamwork, and work under pressure.

Honors and Awards

Honorable Mention, International Collegiate Programming Contest - Brazilian Regional **October 2021**
- The Programming Marathon is an event of the Brazilian Computer Society. The Marathon was born from the regional qualifying competitions for the world finals of the ACM International Collegiate Programming Contest.

1st place, POP Programming Olympiad 2021 - Beginner Category **October 2021**
- Competition for people who are regularly enrolled in a higher education institution located in the state of Paraíba, which have an interest in the programming study, promoting creativity, and resistance to work under pressure.

1st place, III IFPB Programming Olympiad - Intermediate Category **January 2021**
- Competition for students who are regularly enrolled at IFPB Campina Grande, which have an interest in the programming study, promoting creativity, and resistance to work under pressure.

Outstanding Student of Olympic Programming Project Award **January 2021**
- The Olympic Programming Project is an extension project organized by the Informatics Coordination of the Instituto Federal da Paraíba, with the aim to prepare students for Programming Olympiads.

3rd place, POP Programming Olympiad 2020 - Beginner Category **November 2020**
- Competition for people who are regularly enrolled in a higher education institution located in the state of Paraíba, which have an interest in the programming study, promoting creativity, and resistance to work under pressure.