Bruno **Silva**

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>LANGUAGES AND TECHNOLOGIES
- **Proficient:** JavaScript, React Native, React, Redux, NodeJS, Jest, Java, Spring Boot, Hibernate, Android, JUnit, mockito, MySQL, Git, Firebase, Python, scikit-learn, Pandas, HTML5, CSS, AWS
- **Exposure:** C#, PHP, Perl, OpenCV, Tensorflow, Objective-c, Flask, D3.js

>EDUCATION
Master of Science in Computer Science (GPA: 3.4), *University of Nebraska - Lincoln*   May 2019
- <u>Relevant Coursework</u>: Software Architecture, Software Testing, Algorithms for Big Data, Data Analysis

Bachelor of Science in Computer Science, *University FUMEC, Brazil*   Aug 2015

>PROFESSIONAL EXPERIENCE
BasicBlock | Software Engineer | Lincoln, NE   Sep 2019
- Took ownership of the mobile document scan application (iOS, Android) to streamline the communication between truck drivers and back office. Developed new features, fixed bugs, wrote unit and integration tests, and published to app stores using React Native, Redux, Redux-Saga, Jest, and Fastlane.
- The mobile app is being used by ~1200 drivers and processes ~2k loads per month with an expected revenue of ~$200k month. This helped the company to close its $1.5M seed round over the 2020 pandemic.
- Developed a native component for the Android app using Java and OpenCV. It improved the overall user experience and image quality by enabling auto snap and cropping, along with a robust image filter algorithm to reduce noise from the scans. The feature was acknowledged by truck drivers and trucking companies.

University of Nebraska - Lincoln | Software Engineer + Researcher | Lincoln, NE   Jan 2016 - May 2019
- Developed a static analysis tool that automatically detects API related issues in Java Android apps using C++, improving detection by 2x and reducing analysis time and memory usage by 3x.
- Performed data analysis on biological data using Python, Pandas, and scikit-learn, saving $25,000 after analysis indicated error in the data received by the sequencing laboratory.
- Developed diet monitoring system for obesity management, enabling automated food recognition with 84% accuracy, assessment, and dietary intervention in Java, Spring Boot, Android, Python, TensorFlow and MySQL.
- Responsible for development, database design, deployment, and maintenance of biological web databases and bioinformatics tools using JavaScript, Node.js, Express, AngularJS, D3.js, PHP, Pearl, MySQL, and AWS.
- http://sbbi-panda.unl.edu/miRDis, http://sbbi-panda.unl.edu/miRDR, http://sbbi-panda.unl.edu:5000/dmd

Villefort | Full Stack Software Engineer | Belo Horizonte, Brazil   Jan 2013 - Aug 2013
- Participated in the development of a web condominium management system with Java, Servlets, jQuery, Bootstrap, and SQL Server, generating revenue of ~$70,000 annually.
- Introduced Agile methodologies such as Scrum and TDD, and applied to new and current projects, enabling the launch of new features and MVPs within 1 - 4 weeks of development and testing.
- Developed an internal web system from scratch to manage employee's paperwork and payments using Java, Spring, jQuery, Bootstrap, Hibernate and MySQL, reducing paper usage by 100%.

>PROJECT WORK
I'm Lincoln | Founder + Software Engineer   2015
Android app which recommends events in Lincoln, NE, based on user's preferences.
- Architected and developed the mobile system using Java, Spring Boot, AngularJS, Android, and MongoDB.
- Successfully launched the project which led to landing assistantship as Graduate Research Assistant at the University of Nebraska - Lincoln.

>AWARDS
Science Without Borders Scholarship, *Brazilian Government*   2013