

# Bruno Silva

Lincoln, NE  
402.617.2156  
bvrsilva1@gmail.com

---

**LinkedIn:** linkedin.com/in/brunovieirabh

**GitHub:** github.com/bvrsilva1

**Portfolio:** bvrsilva1.github.io

---

## >LANGUAGES AND TECHNOLOGIES

- **Proficient:** Java, Python, JavaScript, NodeJS, C++, Android, React, AngularJS, Spring Boot, Express, scikit-learn, Pandas, SQL, MySQL, Hibernate, MongoDB, SQL Server, Git, AWS
  - **Exposure:** C#, PHP, Perl, Swift, Ionic, Flask, Tensorflow, D3.js, Neo4J
- 

## >PROFESSIONAL EXPERIENCE

### E2 Lab | Graduate Research Assistant | Lincoln, NE

AUG 2017 - MAY 2019

- Developed a static analysis tool which automatically detects API related issues in Android apps using C++, improving detection by 250% and reducing analysis time and memory usage by 65% and 73%.
- Automated the generation of GUI test cases of surgical robots by developing a tool using C#, uncovering critical issues in 2 of the 5 robots analyzed.

### SBBI Lab | Graduate Research Assistant | Lincoln, NE

JAN 2016 - AUG 2017

- 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 a mobile and backend for a diet monitoring system for obesity management, enabling automated food recognition, assessment, and dietary intervention using Java, Spring Boot, Python, Android, Tensorflow, MySQL, correctly recognizes 84% of food images uploaded.
- Responsible for development, database design, deployment and maintenance of biological web databases and bioinformatics tools using JavaScript, NodeJs, Express, AngularJS, D3.js, PHP, Pearl, MySQL and AWS.

### Villefort Consulting | Full Stack Software Engineer | Belo Horizonte, Brazil

JAN 2013 - AUG 2013

- Participated in the development of a web condominium management system using Java, Servlets, JQuery, Bootstrap and SQL Server, generating revenue of ~\$70,00 annually.
- Introduced Agile methodologies such as Scrum and TDD, and applied to new and current projects, enabling launch of new features and MVPs within 1~4 weeks of development and testing.
- Developed an internal web system from scratch to manage employees paperwork and payments using Java, Spring, JQuery, Bootstrap, Hibernate and MySQL, reducing in 100% the use of paper related to employee paperwork.

### Havop Labs | Software Engineer Intern | Belo Horizonte, Brazil

SEP 2012 - JAN 2013

- Developed the mobile and the backend from the scratch for a web application that assesses fruit quality for farmers using Java, Spring, Android, Hibernate and MySQL, launching its MVP within 1 month.
  - Performed testing on a web application for trading items between users using JUnit, FindBugs and PIT
- 

## >EDUCATION

**Master of Science in Computer Science,** *University of Nebraska - Lincoln*

MAY 2019

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

AUG 2015

---

## >PROJECT WORK

### I'm Lincoln | Role

2015

*Android app which recommends events in Lincoln, NE, based on users preferences*

- Architected and developed the system from scratch using Java, Spring Boot, AngularJS, Android, MySQL
  - Helped me to land an assistantship as Graduate Research Assistant at University of Nebraska - Lincoln
- 

## >AWARDS

**Science Without Borders Scholarship,** *Brazilian Government*

2013