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# FERNANDA DE M. ALVES

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## SUMMARY

As a teenager, I used to love solving math problems and even participated in a few math competitions. I ended up becoming a lawyer, but discovered that I sorely missed the thrill of quantitative problem-solving, so I went back to school to study Computer Programming. I decided recently to transition fully into Software Engineering and I am hoping that my past experiences as well as the skills I have picked up in the last few years as a hobbyist developer will aid the transition.

## LANGUAGES, SKILLS AND TOOLS

- Proficient: HTML, CSS, Javascript, ES6+, Python, Jupyter Notebook, Django, Relational Databases (SQL), Bootstrap, Visual Studio Code, Git, Heroku, React, Redux, RESTful APIs, Data Structures and Algorithms.
- Familiar: PHP, D3, System Design.

## EDUCATION

### Universidade Federal do RN

Natal, Brazil

- B.Sc. in Science and Technology. GPA: 7.6. Top 12%.
- Relevant Coursework: Multivariable Calculus; Physics; Databases; Developing Systems for the Web; Discrete Mathematics; Linear Algebra; Introduction to Programming using C++; Probability and Statistics; Numerical Analysis; Software Development; Networks.

### Cornell University

Ithaca, NY

- B.A. in Computer Science. Non-degree. GPA: 3.4.
- Relevant Coursework: Intro to Computing Using Python; Design and Programming for the Web I and II using HTML, CSS, Javascript, MySQL and PHP; Object-Oriented Programming and Data Structures using Java; Data-Driven Web Applications using D3.JS.

### Universidade Federal do RN

Natal, Brazil

- Bachelor of Laws. GPA: 9.38. Top 2%.

## LATEST PROJECTS AND RELEVANT EXPERIENCE

### Image Bookmarking Application

[Github](#) - [Demo](#)

February 2020

- Developed a full-stack web application for users to pin images from other websites and share with their followers. I built the project using Django, Bootstrap, PostgreSQL, Redis, JQuery, AJAX, and was deployed to Heroku. AWS S3 was used for storage in production.

### Office Manager Application

[Github](#) - [Demo](#)

January 2020

- Implemented a full-stack web tool to manage clients using all the basic CRUD operations. I built the project with React, Bootstrap, Firebase/Firestore and was deployed to Firebase.

### Blog Application

[Github](#) - [Demo](#)

December 2019

- Created a full-stack project where users can make blog posts, comment, share posts with friends via email, sort posts by tags etc. I used Django on the back-end and *UIKit* on the front-end.

### Associate Lawyer

Macedo Advogado Associados, Natal

July 2016 - July 2019

- Prepared and filed legal documents, such as contracts, lawsuits, appeals; conducted research and analysis of legal problems; interpreted laws and regulations and presented my findings to clients and colleagues.
- Supervised payroll, hiring etc.

### Software Engineer, Intern

Zack Academy, New York

Summer 2015

- Recreated the company's website, alongside the lead engineer, in order to improve customer experience by offering cleaner design, easier site navigation, as well as faster and more secure payment processing methods.
- Some of the languages and technologies I used included PHP, Symfony, Doctrine, Apache, Twig, Bootstrap, BitBucket and Agile Methodologies.

## ADDITIONAL INFORMATION AND AWARDS

- Received full scholarship to attend Cornell University as a visiting undergrad for one academic year.
- Earned multiple prizes and honorable mentions on local and regional math competitions throughout middle school and high school, including 3rd place in state math olympiad.
- Fluent in English, Portuguese and Spanish.