

Henrique de Almeida Machado da Silveira

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EXPERIENCE

Arquivei, São Carlos-SP, Brazil

March 2017–July 2017

Front-end Development Intern

- Used React, Javascript and Redux to implement various screens from Arquivei's platform and improved the style of different screens using CSS, Bootstrap and HTML
- Studied and investigated React's design principles, component-based architecture and component lifecycle
- Aided the Customer Service team as an apprentice on-call engineer, helping to address client issues related to the platform

Microsoft Corporation, Redmond, WA, USA

January 2017–March 2017

Software Engineering Intern

- Developed and validated an end-to-end global dismiss feature for notifications, aiming to automatically dismiss notifications on an user's device if the same notification had been seen by the user on a different device
- Implemented the feature using C#, understanding the functionality of a large scale distributed system
- Created a test iOS app using Swift to demonstrate and validate the scenarios related to global dismiss, recording a video of the app which demonstrated the feature to than 400 people in a Microsoft employee conference
- Global dismiss adds value to Substrate Notification Service's system, impacting potentially millions of users

Google Inc., Belo Horizonte-MG, Brazil

December 2015–February 2016

Software Engineering Intern

- Implemented a back end system for filtering notifications from mobile systems, developing the filtering logic and defining the data models to support this new feature
- Updated the front end in mobile systems to support the developed notification filtering system, adapting both the UI and the data models in the front end
- Developed a document presenting the objectives of the project and proposing strategies for its implementation
- Worked on miscellaneous bugs involving mobile systems

University of São Paulo, São Carlos-SP, Brazil

February 2015–June 2015

Teaching Assistant, Introduction to Computer Science

- Held weekly sessions with students, highlighting and presenting important topics and addressing questions
- Provided individual assistance with class projects during office hours and graded homework, programming projects and tests
- Created compilations of exercises with solutions emphasising key concepts that lay the foundations of programming skills

WebMD, LLC, New York, NY, USA

June 2014–August 2014

Technology Operations Intern

- Developed nxlog configuration files involving regular expressions to process logs from multiple applications
- Created Chef cookbooks to automate the installation of nxlog in both Red Hat Enterprise Linux and Windows servers
- Investigated compatibility between RHEL and Windows cookbooks, presenting conclusions to the team

University of São Paulo, São Carlos-SP, Brazil

February 2013–December 2013

Research Project: "Linux Driver Project for Servomotor Controlling with Embedded Linux in ARM Microcontrollers"

- Compiled and installed custom Linux kernels and file systems in Olimex SAM9-L9260 development boards
- Wrote C programs to control voltage outputs in these ports and monitored them with an oscilloscope
- Developed simple Linux modules and started to design a custom Linux module to control servomotors

EDUCATION

University of São Paulo, São Carlos-SP, Brazil

February 2012–December 2017

Bachelor of Science, Computer Engineering, **GPA 9.2/10.0**

Columbia University, New York, NY, USA

January 2014–December 2014

Computer Engineering, Non-degree international student, **GPA 4.0**

Brazil Scientific Mobility Program, fully-funded scholarship recipient by CAPES

RELEVANT COURSEWORK

Operating Systems

Algorithms and Data Structures

Object-Oriented Programming

Advanced Programming

Computer Networks

Computer Architecture

Databases

Parallel Programming

Security Engineering

SKILLS

Programming: C, Java, C#, Python, Swift, Objective-C, C++, Javascript, React

Languages: Native Portuguese, Advanced English, Conversational Spanish

LEADERSHIP ACTIVITY AND HONORS

- *Class President*, Computer Engineering 2012 Cohort
- Brazil Scientific Mobility Program scholarship recipient 2014
- Silver Medal at the State of São Paulo's Mathematics Olympiads, 2005

September 2012–December 2013