

SAÚL DE NOVA CABALLERO

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EDUCATION

Tec de Monterrey, Campus Estado de México
B.S. of Computer Science and Technology

August 2012 - May 2016
Honorable mention

WORK EXPERIENCE

Microsoft

August 2018-Present

Software Engineer II

Worked with a team implementing a continuous integration platform for Windows source code contributors. **Redesigned several components of the system** to improve performance on **P50 from 1-2 hrs to 20 minutes of overhead**. Also created a system to **mirror production builds** to use in **experimentation of new system features**. This has allowed to refactor and recreate components with confidence. While at the same time increasing overall system reliability.

Microsoft

August 2016-August 2018

Software Engineer

Worked with a team charged with replacing the old windows build engine with BuildXL <https://github.com/microsoft/BuildXL>. I worked on **implementing a compiler** that translated all of the existing makefiles into the new engine format. These files have about **10,000 lines of makefile logic** across **70,000 source files**.

Grupo BMS

August 2014-August 2015

Consultant developer

Supervised a team of 3 developing Android/iOS applications. Created an application to aid on the sale of radio advertisements.

INTERNSHIPS

Microsoft

May 2015-August 2015

Software Engineer Intern

Worked on developing a **C++ parser** that allowed for the removal of **25% of the include directives** in the Windows source code.

Microsoft

May 2014-August 2014

Software Engineer Intern

Coded part of the SDK for <https://github.com/microsoft/BuildXL>

Microsoft

May 2013-August 2013

Software Engineer Intern

Ran experiments on data retention policies for Windows releases using Microsoft's big data analysis platform.

TEACHING

Tec de Monterrey

August 2014-May 2016

*Teaching Assistant**Competitive Programming Group*

Assisted with the training of students under the supervision of Professor Ariel Ortiz

AWARDS

- 26th place ACM ICPC Mexico and Central America Regional 2015
- 12th place ACM ICPC Mexico and Central America Regional 2014
- 14th place ACM ICPC Mexico and Central America Regional 2013
- Runner-up in the International Olympiad in Informatics 2012