

# SAÚL DE NOVA CABALLERO

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## EDUCATION

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**Instituto Tecnológico y de Estudios Superiores de Monterrey, Campus Estado de México**

*August 2012 - May 2016*

B.S. of Computer Science and Technology (92.73/100)

## WORK EXPERIENCE

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**Microsoft**

August 2018-Present

*Software Engineer II*

Worked with a team implementing a continuous integration platform for Windows source code contributors. My biggest contribution to the team has been a shadowing pipeline which allows using replicating real customer builds as test cases for new changes. This is achieved by using telemetry coming from the builds. This has allowed me and other team members to rewrite major components of the system.

**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. This was a unique problem because the Windows source code has about 10,000 lines of makefile logic and about 70,000 source files.

**Grupo BMS**

August 2014-August 2015

*Consultant developer*

## INTERNSHIPS

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**Microsoft**

May 2015-August 2015

*Software Engineer Intern*

Worked on developing a C++ compiler that allowed for the removal of 25% of the includes in the Windows source code. This reduced the build graph and allowed for an improvement in build times.

**Microsoft**

May 2014-August 2014

*Software Engineer Intern*

**Microsoft**

May 2013-August 2013

*Software Engineer Intern*

## TEACHING

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**Instituto Tecnológico y de Estudios Superiores 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

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- Runner-up in the ACM ICPC Mexico and Central America Regional 2015-2012
- Runner-up in the International Olympiad in Informatics 2012