

# HORATIU LAZU

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## EDUCATION

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**University of Waterloo**

Double-Degree Computer Science & Business Administration

*Expected May 2021*

## EXPERIENCE

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**Bluesun Inc.**

*Software Developer Intern*

July 2016 - August 2016

*Burlington, ON*

- Worked on the Wealthserv Insurance Team, primarily on infrastructure
- Developed wrapper for open-source git-tf tool, adding parallel processing and multiple branches in C#
- Successfully migrated version control from TFS to Git, restructured Jenkins CI infrastructure to work with new existing version control system through Groovy scripting
- Extended Selenium C# API for automated testing on administrative side of Wealthserv
- Added various front-end filtering options in JavaScript for internal timesheet system

**SpitStrips**

*Software Developer*

January 2016 - May 2016

*Toronto, ON*

- Developed machine-learning program to calculate blood-alcohol concentration from an image of a Spit-Strip by applying linear and quadratic regression to increase accuracy on image readings
- Implemented an image imposing web application using jQuery / CSS

## COMPETITIVE PROGRAMMING

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**United States Computing Olympiad**

*Platinum Division*

**HackerRank HourRank 9**

*226th of 1966*

**HackerRank RookieRank**

*8th of 2932*

**Google Code Jam 2016 Round 1c**

*1436th of 27710*

**Google Code Jam 2016 Round 1b**

*2417th of 27710*

**Google Code Jam 2016 Round 1a**

*1849th of 27710*

**Canadian Computing Competition 2016 Senior**

*90th of 1225*

**Canadian Computing Competition 2015 Senior**

*50th of 1472*

**Canadian Computing Competition 2014 Junior**

*First of 1842*

## PROGRAMMING KNOWLEDGE

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**Languages**

Java, JavaScript, C#, C++, Scheme

**Protocols & APIs**

XML, JSON, REST

**Databases**

SQLite, MongoDB

**Tools**

Jenkins CI, Travis CI, Git, TFS, Mercurial