

# Ognjen Ivanovic

 ogiiivanovic.com

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 ogi-ivanovic

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## Education

**University of Waterloo**  
*Bachelor of Mathematics,  
Combinatorics & Optimization*

- Currently in third year.

## Skills

### Languages:

- C, C++
- Python
- HTML/CSS, Javascript
- SQL
- Racket
- Java

### Other:

- Git, Jira, Confluence
- Jenkins, Bash, shell scripting
- REST API, JSON, Postman
- Flask
- Unix/Linux, Windows
- VS, Eclipse, NetBeans

## Activities

### Project Euler

- Top 3.03% out of 1 million users in most math-based algorithm problems solved.

### Soccer Coaching Assistant

- Assist the national bronze medalist u17 girls team by developing the player's skills.

### Competitive Soccer

- Top goal scorer of the Ontario Youth Soccer League West Division.

## Work

**Carbonite Inc.**  
*Software Engineer*

Sep - Dec 2019

- Designed and implemented C++ production software alongside a scrum team for the Carbonite Server Backup Solution.
- Developed Jenkins and Powershell scripts to automate code analysis with Cppcheck, which resulted in 300+ errors found.
- Created unit tests with the Google Test framework.

**Nokia**  
*Software Developer*

Jan - Apr 2019

- Wrote production software in C++ to enhance feature functionality of the PSS product.
- Increased efficiency and fixed existing issues on the product.
- Tested code in a simulator environment.

**University of Waterloo**  
*Learning Support Representative*

May - Aug 2018

- Developed Python scripts to automate tasks such as label creation and client personal information management.
- Analyzed survey data and produced statistical result reports.

## Projects

### WorkList

- Web app which generates resumes and finds the best jobs for the user depending on their skills and experience.
- Utilized Python and Flask for development.
- Used ML to generate the best resume for each specific job.

### Chess AI

- Developed an object-oriented chess game and AI in C++.

### Project Partner

- Python script which helps students save and hand in their assignments quickly through the command line.

### Sorting Algorithm Visualizer

- Given the user's preferred sorting algorithm, the program will generate a random array and sort it while displaying each step.