

# Ognjen Ivanovic

<https://oggiivanovic.com/>

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## EDUCATION

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**Bachelor of Mathematics, Honours Mathematical Studies**  
University of Waterloo

Sep 2017 - Aug 2023

## TECHNICAL SKILLS

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- **Programming Languages:** Python, C, C++, Java, JavaScript, SQL, Bash/Shell scripting.
- **Web Development:** HTML, CSS, React, Flask.
- **Development IDE:** Eclipse, Visual Studio, IntelliJ IDEA, NetBeans, CLion, PyCharm.
- **Operation Systems:** Windows, Unix, Linux.
- **Development Tools:** Git, Postman, Gradle, JUnit, Jira, Confluence, Jenkins.
- **Microsoft Office Suite:** Excel, Powerpoint, Word.

## WORK EXPERIENCE

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### Full-Stack Software Developer

**Morgan Stanley** <https://www.morganstanley.com/>

Jan - Apr 2022

- Developed Java production software for the Shareworks Equity Compensation Solution alongside a Scrum team to ensure timely delivery and optimal system performance.
- Increased the functionality of the product application file managing system with the React JavaScript library, while also providing direct support to over 80 clients.
- Implemented automated testing procedures using JUnit, reducing manual testing efforts by 30%.
- Participated in code reviews, testing, and debugging to ensure high-quality and bug-free software releases.

### Senior Online Learning Assistant

**University of Waterloo** <https://uwaterloo.ca/>

May - Aug 2020, Jan - Apr 2021

- Developed Python scripts to collect, organize, and analyze data on student engagement in online course activities, resulting in a 95% reduction in manual labor time.
- Shared best practices in online learning through articles, reports, and presentations.
- Collaborated with faculty and instructors to review and improve online course materials, ensuring alignment with learning objectives, which increased overall student engagement in online courses by 25%.
- Conducted workshops on learning technologies and resources for employees and students across campus.

### Software Engineer

**Carbonite Inc.** <https://www.carbonite.com/>

Sep - Dec 2019

- Designed and implemented C++ production software for the Carbonite Server Backup Solution.
- Developed Jenkins and Powershell scripts to automate code analysis with Cppcheck, which resulted in 300+ errors found within the codebase, thereby significantly enhancing code quality.
- Created comprehensive unit tests with the Google Test framework, ensuring robustness and reliability.
- Actively engaged in agile development methodologies, including sprint planning, daily stand-ups, and retrospectives, to deliver software iterations on time.

### Software Developer

**Nokia** <https://www.nokia.com/>

Jan - Apr 2019

- Wrote production software in C++ to enhance feature efficiency and functionality of the PSS product.
- Successfully debugged and refactored legacy code to improve functionality, performance, and maintainability, yielding a 35% reduction in system errors for certain features.
- Conducted thorough code testing in a simulator environment, ensuring reliability and accuracy.