

MIKHAIL SALNIKOV

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CAREER OBJECTIVE

Junior web developer eager to apply computer science and computational skills towards launching a successful career with an organization that will capitalize on big data and full-stack web development talents. Currently looking for opportunities of professional growth and commitment to superior performance within research- and software-related fields.

SUMMARY

- Bachelor of Science from University of Western Ontario.
- Programming languages: JavaScript, Python, CSS, HTML, Bash, Perl, R, Shiny R, SQL.
- Tech & tools: Git, Docker, LaTeX, SQL Server, Visual Studio, Shiny R server.
- Excellent communication and problem-solving skills.
- Quick learner and motivated to improve own skills.

PROJECTS

- A list of projects I have worked on can be found at <https://github.com/msaland>.

SKILLS

- Great adaptability for new software systems, frameworks, and packages.
- Coding languages: Java (3 years), JavaScript (7 years), Bash (5 years), Perl (3 years), Python (5 years), C# (2 years), C++ (2 years), R (4 years), Shiny R (4 years), SQL (3 years), XML (1 year).
- Tech & tools: Git (3 years), Docker (2 years), LaTeX (3 years), .NET (2 years), SQL Server (4 years), Kanban (2 years), Visual Studio Code (5 years), Jupyter Notebook (4 years), Eclipse IDE (3 years), Ubuntu (18.04/20.04; 4 years), Shiny R server (2 years), AWS (2 years).
- Development of both web-based and standalone programs.
- Front- and back-end web development.
- Experience in performing advanced statistical analysis on large-scale data sets.
- Considerable experience in using Adobe and Affinity Suite software.

PROFESSIONAL EXPERIENCE

- **Summer Student – University of Western Ontario (April 2022 – Present)** Developed a web-based suite of tools for HPV data analysis. Tool can be accessed at <https://thincr.ca/>, with the GitHub repository available at <https://github.com/msaland/THInCR-Suite>.
 - **Responsibilities:** Communicated with a professional team in developing and deploying a web-based website, along with a standalone version. Utilized git for version control and set up a Shiny R server for web deployment.

- **Tools & Languages:** R, Shiny R, JavaScript, Git, Bash, CSS, HTML.
- **DUROP/Thesis Student – University of Western Ontario (September 2021 – April 2022)** Performed *in-silico* high-throughput screen for developing inhibitors for the NHEJ pathway to combat chemo- and radio-therapy resistant tumors. Followed up with *in-vitro* screening for compound efficacy.
 - **Responsibilities:** Developed a high-throughput screening software pipeline with minimal supervision and performed hands-on work in confirming results.
 - **Tools & Languages:** Git, Bash, Python.
- **Web Developer – University of Western Ontario (October 2020 – April 2021)** Maintained and developed website for Spoken Word Society.
 - **Responsibilities:** Communicated with an organization in identifying Employed CSS, HTML, and JavaScript skills in order to produce a user-friendly and accessible website.
 - **Tools & Languages:** JavaScript, CSS, HTML, Git.
- **Work-Study Student – University of Western Ontario (September 2020 – June 2022)** Performed large-scale data and statistical analysis on protein-protein interfaces, using a variety of software packages.
 - **Responsibilities:** Worked with a team of students in developing software pipelines for data analysis and presenting outcomes to people outside of the field.
 - **Tools & Languages:** Git, Perl, Bash, Python.
- **NSERC Summer Student – University of Toronto (May 2020 – August 2020)** Performed peak calling and sequence analysis of KRAB Zinc Finger binding regions using specialized software, such as Macs2 and HOMER.
 - **Responsibilities:** Worked directly with a graduate student in developing and maintaining a software pipelines for large-scale data analysis.
 - **Tools & Languages:** Git, Perl, Bash.
- **Work-Study Student – University of Western Ontario (November 2019 – August 2020)** Performed role as team leader of a Synchrotron research group, as well as an associate of the coding group. Tasks included holding weekly meetings, making sure team members are on task, coding in Java using Maven and Peekaboo packages, as well as data collection.
 - **Responsibilities:** Utilized existing packages and libraries in setting up a workflow pipeline. Worked in a small team setting, taking on a leadership role.
 - **Tools & Languages:** Kanban, Java, Python, Eclipse.
- **Research Summer Student – Baycrest Hospital (May 2019 – August 2020)** Engaged in beta testing software, inputting data, and analyzing brain scans using specialized MRI analysis software, such as AFNI and Malpem.
 - **Responsibilities:** Utilized existing packages and libraries in setting up a software environment for required tasks. Deployed software on the local Linux server for multiple users.
 - **Tools & Languages:** Git, Bash, Linux.
- **Assistant Software Developer – St. Michael's Hospital (June 2018 – Aug 2018)** Developed part of the mobile app monitoring patient walking activities for the purposes of record keeping, with data accessible to healthcare professionals.
 - **Responsibilities:** Utilized C#, .NET, and Xamarin in developing a mobile app while closely working with both patients and team members.
 - **Tools & Languages:** C#, .NET, Xamarin.

EDUCATION

- **Honors BSc. in Microbiology & Immunology (2018 - 2022)**
University of Western Ontario. *GPA: 3.96.*

AWARDS

- Dean's List (**2018-2019, 2019-2020, 2020-2021, 2021-2022**)
- NSERC USRA (**2020**)
- DUROP (**2021**)