

Iaroslav Volkov

uottahack.ca & volkov.dev

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Education: University of Ottawa - Bachelors of Honours Computer Science (Graduating 2026) 3.5/4

Skills

- Proficient: Python, C, C++, Java, Docker, HTML, CSS, UML, Firebase, Splunk, Git, Linux, GitHub, Unix
- Experienced: Bash, Shell, ReactJS, React Native, JavaScript, MongoDB, SQLite, SQL, NoSQL, REST, JSON.
- Beginner: C#, Android, TypeScript, Assembly, Groovy, Jenkins, Maven, Gradle, Kubernetes, Node, NEXT, R.

Work Experience

[General Dynamics](#) Software Infrastructure Intern Ottawa, ON, Canada 08/2023 - present

- Upgraded Windows & Linux servers to eliminate DDoS vulnerabilities
- Upgraded Application to incorporate webhooks and produced scripts to accelerate development by 30mins/dev
- Wrote bash scripts working with gitlab API leading to 90% time savings for admins
- Application Maintenance, tickets, upgrades, upgrade reports and proposals (Security Risk Documentation)
- Successfully upgrade PACC (container monitor) to ensure 100% accurate reports

uOttHack Director/Advisor Ottawa, ON, Canada 06/2022 - present

- Managing a team of 30 organizers to plan and execute a hackathon that hosted over 700 students, 30 mentors & 25 companies
- Developing the uOttHack website, livesite, and uOttApp, while maintaining over 20 repositories (webapps, API, CICD)
- Guided the sponsorship (over 50k raised) marketing (1.5k instagram followers) and dev ([2024 site](#) and [homepage](#))
- Primary focus on team management and working effectively as a unit to accomplish Ottawa's largest Hackathon

OCSB Office Admin Ottawa, ON, Canada 04/2021 - 09/2023

- Perform data manipulation tasks with precision and efficiency, maintaining 100% accuracy in records.
- Manage budgeting responsibilities, tracking expenses, preparing financial reports, reducing cost by 16%.
- Utilize IT scripts to support office operations, including proficiency in Microsoft Office Suite.

Projects

BookIn Website - GitHub - [yarovolk18/Bookin: Airbnb Clone](#) 🤖

- Similar to hotel Trivago, this web app allows users to book hotels in different regions
- Seamless UX/UI design paired with millions of booking locations to create a 100% customer satisfaction
- VSCode • SQL • Java • React • Next.js • pgAdmin

Mealer App - GitHub - [yarovolk18/MealerApp](#)

- App that connects cooks and clients to allow clients to experience home-cooked meals from different regions
- Developed an Android application utilizing Firebase, Java, and NumPy plugins to offer personalized food recommendations based on user preferences and previous purchase history.
- Android Studio • Firebase • Java

uOttHack Site 2023/2024 - [2023.uottahack.ca/2024.uottahack.ca](#)

- Using various react libraries and embeds in order to maximize site efficiency and appeal
- Using next.js to eliminate the need for backend development leading to smoother and quicker release time
- Visual Studio • React.js • Next.js • Javascript • Figma • Firebase

uOttApp 2023/2024

- Using React Native to create an internal app to track students at the hackathon via individualized QR codes.
- Integrated seamless interface to reduce any delays in participant processing
- Visual Studio • React.js • React Native • Javascript • Firebase

GameDev

- Developed a captivating 2D horror survival game using the Godot Engine.
- Crafted an immersive atmosphere and suspenseful storytelling elements within the Godot Engine's framework.
- Utilized GDScript and other scripting languages supported by Godot to implement game features.

Volunteering

Beaver Boxing Club

- Training boxers to coordinate their movement, diet, health

OCSB International Languages Program

- Teaching basics of language to students

Extracurriculars

Languages English : *Advanced*, French : *Intermediate*, Ukrainian : *Native*, Russian : *Native*, German : *Beginner/Intermediate*