

# Kian Bazarjani

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## EDUCATION

### University of Ottawa

BSc with Honours in Computer Science, Data Science Stream

Ottawa, ON

Sept 2018 – Apr 2023

## EXPERIENCE

### Software Developer Intern

Department of National Defence

Sept 2021 – Present

Ottawa, ON

- Participated in the successful delivery of multiple projects with a combined budget of \$249 million
- Contributed to the large-scale improvement of intelligence & security capabilities on highly classified information networks
- Oversaw the maintenance of virtual development environments critical to project delivery
- Produced documentation outlining installation, configuration, and use of project solutions, which led to overall client satisfaction and an increase in employee onboarding efficiency

### Camp Counsellor

Ottawa Athletic Club

Jun 2018 – Sept 2019

Ottawa, ON

- Organized and led a variety of small and large group activities
- Communicated with parents about children's experiences and reported concerns to superiors
- Maintained accurate program records including incident reports, logbook documentation, and attendance

## EXTRACURRICULAR

### Software Development Team Lead

UO Supermileage

Aug 2021 – Present

Ottawa, ON

- Wrote accessory control board code for operating turn signals, speedometer, steering wheel display, etc.
- Designed and maintained team website using Hugo, Javascript, and HTML/CSS
- Maintained up-to-date documentation for codebase using Github
- Coordinated with team leads during weekly meetings to reach deadlines

### Hydroponics Design Engineer

University of Ottawa

Jan 2019 – Aug 2019

Ottawa, ON

- Designed a greenhouse shed for Aboriginal community in Quebec with a custom-made hydroponics system
- Worked with aboriginal community members to ensure the project met their needs & requirements
- Collaborated in small group to design structural and electronics system
- Hand-delivered and setup near community town hall in Summer 2019

## PROJECTS

### DeltaCore | PaperAPI, Java, Maven, Git

May 2020 – Present

- Plugin for Minecraft server owners, written in Java
- Implements asynchronous database loading and dynamic data caching
- Supports both flatfile and remote storage options, such as Json, H2, MongoDB, and SQL

### Simple Menus | Java, Commons Lang, TravisCI, Maven, Git

Apr 2021 – Present

- Lightweight API for creating menus in command line interfaces, written in Java
- Facilitates menu creation by defining header style, menu title, and menu options
- Full navigation support allows menu linking and backwards navigation

## TECHNICAL SKILLS

**Languages:** Java, Python, HTML/CSS, JavaScript, Go, C/C++, SQL (Postgres), OCaml, R, L<sup>A</sup>T<sub>E</sub>X

**Frameworks:** JUnit, Flutter

**Developer Tools:** IntelliJ IDEA, Maven, Git, TravisCI, Gradle, Android Studio, VS Code, R Studio

**Libraries:** React, AndroidX, Gson, Apache Commons

## RELEVANT COURSES

**Computer Science:** Java/Python/C/C++ · Data Structures & Algorithms · Databases I, II · Data Science · Cryptography  
**Math:** Calculus I, II, III · Linear Algebra · Discrete Math · Real Analysis · Group Theory · Probability & Statistics · ODE & Numerical Methods · Statistical M.L.

## OTHER INFORMATION

**Languages:** English, French (DELF B2 Certified), Farsi

**Interests:** Grappling, Striking, Hockey, Weightlifting, Cooking, Coding