

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 major improvements 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

Software Development Team Lead

UO Supermileage

Aug 2021 – Sept 2022

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

Honours Project: Using Machine Learning to Generate Password Lists (Dr. Carlisle Adams)

Jan 2023 – Present

- Investigated applications of text processing & image analysis to generate password lists

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, \LaTeX

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++/OCaml · Data Structures · Algorithms · Databases · Data Science · AI/ML

Math: Calculus · Linear Algebra · Discrete Math · Probability · Statistics · Ordinary Differential Equations

OTHER INFORMATION

Languages: English, French, Farsi

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