# Kian Bazarjani

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## EDUCATION

**University of Ottawa**  Ottawa, ON
*BSc with Honours in Computer Science, Data Science Option*  *Sep. 2018 – Dec 2022*

## PROJECTS

**DeltaCore** | *PaperAPI, Java, Maven, Git*  May 2020 – Present
- Plugin for Minecraft server owners, written in Java
- Extremely lightweight thanks to asynchronous database loading and dynamic data caching
- Provides a large number of custom commands and functionality for players
- Easy player management for admins through a custom in-game GUI
- Can choose between flatfile and remote storage options, including Json, H2, MongoDB, and SQL

**Simple Menus** | *Java, Commons Lang, Maven, Git*  April 2021 – Present
- Lightweight API for creating menus in command line interfaces, written in Java
- Easy menu creation by defining header style, menu title, menu options and their associated actions
- Full navigation support allows menu linking and backwards navigation
- Support for screen clearing, cursor relocation and colors using ANSI escape codes

**Service Novigrad** | *AndroidX, Java, Gradle, CircleCI*  Sept. 2020 – Dec. 2020
- Android application for a district to provide services to its residents
- Provides built-in services such as driver's license, photo ID, and health card
- Uses CircleCI for automated building and deployment of artifacts via GitHub
- Implements JUnit for automated testing prior to build deployment

## EXPERIENCE

**Hydroponics Design Leader**  Jan. 2019 – Aug. 2019
*University of Ottawa*  *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

**Camp Counsellor**  June 2018 – Sept 2019
*Ottawa Athletic Club*  *Ottawa, ON*
- Communicate with managers to set up campus computers used on campus
- Assess and troubleshoot computer problems brought by students, faculty and staff
- Maintain upkeep of computers, classroom equipment, and 200 printers across campus

**Taekwondo Instructor**  March 2013 – June 2018
*Saroughi Martial Arts*  *Ottawa, ON*
- ITF Black Belt 1st dan, awarded by Senior Master Sam Saroughi, 8th dan
- Taught large classes of all ages; 3 years teaching experience
- Supervision of official belt testings

## TECHNICAL SKILLS

**Languages**: Java, Python, SQL (Postgres), C, LaTeX, HTML/CSS, R, Dart, Go, Scheme, Prolog
**Frameworks**: Flutter, JUnit
**Developer Tools**: Git, IntelliJ IDEA, Maven, Gradle, Android Studio, PyCharm, VS Code, R Studio
**Libraries**: AndroidX, Matplotlib, Gson, Apache Commons

## RELEVANT COURSES

**Computer Science**: Introductory Java & C courses · Data Structures & Algorithms · Databases I · Intro to M.L.
**Math**: Calculus I, II, III · Intro to Linear Algebra · ODE & Numerical Methods · Probability & Statistics