



SOFTWARE ENGINEERING STUDENT

DESCRIPTION

Myko is a McGill-based social enterprise that develops tools to connect users to the environmental impacts of their choices so as to reduce their footprint. It is looking for a student with experience developing database, data connectors, platform APIs and mobile clients. This knowledge is essential for all applicants. Experience gained in the classroom and/or through personal experience will be accepted.

RESPONSIBILITIES

- Work with team to document technical requirements and create a development schedule for the next generation of Myko
- Research and propose solutions to technical challenges, functional requirements and assist in resolving technical issues
- Facilitate the provisioning of servers with API management, enterprise integration, ESB, data aggregation, storage and identity management
- Develop APIs, data connectors and client interfaces
- Provide maintenance support for production and development environments
- Q&A test platform and compile bug and fix lists
- Respond to feedback from executive team and beta testers

REQUIREMENTS

- Knowledge of
 - HTML5/CSS/Javascript, Java, SQL
 - Cross platform client (mobile) frameworks (Angular/React/Cordova)
 - Test driven development, software lifecycle
 - ESB, RESTful API development, transport technologies, application security, authentication and authorization methods
 - Linux, virtualization, database, HA
- Desire to be challenged and work with everything from hardware to UI
- Excellent communication and organizational skills, self-motivated work ethic, intrinsic need to produce quality output, and desire to gain the most from this experience are critical to success in this role.
- Spoken English is essential and spoken French is an asset.



- The ability to work within a diversity-friendly work environment is required.
- The ability to work in a team setting under the supervision of a senior developer.
- A shared commitment to addressing our collective environmental impacts.

MAJORS

Computer Science is preferred but capable candidates with alternative backgrounds will be considered.

TIME COMMITMENT:

A minimum of 5 – 10 hours per week for 3 – 4 months with the possibility of increased time commitment.

BENEFITS:

Having been interns ourselves, we at Myko are seeking to make the experience as valuable for the selected applicant as possible. In addition to mentoring, coaching, professional development, and other benefits, we will pay standard above hourly rates outlined by McGill. Extension of the contract, in both scope and remuneration, may be discussed should the fit be appropriate and the resources become available.

Perhaps the most significant benefit of all, however, is the chance to work with an industry Java expert with 35+ years of coding experience.

Salary to be discussed with the candidate.

WORK CONTEXT:

Based in McGill's Faculty of Law Myko is a leader in the development of predictive real-time feedback mechanisms and nudges to support individuals and communities in making sustainable choices. We're starting with climate impact but we're not stopping there. We have released two versions of our app and are working on the third generation which integrates real-time monitoring, AI, and Life Cycle Analysis metrics.