

Jonathan Mongeau

software developer

Contact Information

Phone
438 870 2403

Email
jon.b.mongeau@gmail.com

Website
<https://jonthemango.github.io/>

Github
github.com/jonthemango

Skill Set

Back-end Development

Micro-services development. Python flask framework or Node Express library. Full stack web development. Database design (SQL and NoSQL). RESTful API design.

Front-end Development

JavaScript development including React, VueJs, jQuery, HTML and CSS (SASS). Integration of static web mockups to code.

Deployment

Experience deploying with AWS on Ubuntu Linux instances. Use of continuous integration tools like Travis, Jenkins. Use of automated testing using pytest. Git. Command line experience with all OS.

Software Process

Study of design patterns and anti-patterns. Experience formalizing requirements and architecture documents.

Data Science

Numpy and plotlib. Numerical method algorithms. Advanced Python skills. Data collection and processing.

Other Programming

Android Development. Knowledge of languages such as Java, C#, VBA, Python, Kotlin, JavaScript, PHP.

Final Year Courses

AI. Compiler Design. Big Data. Networks.

I am a passionate final year software engineering student interested in the role of data in systems of the future in industries like transportation, cities and the web. I am a full-stack web developer with advanced skills in Python.

Education

Concordia University

2017 - 2020 — Software Engineering (BEng)

2016 — Science and Technology Certificate

John Abbott College

2012 - 2015 — Web and Graphic Design (DEC)

Pierrefonds Comprehensive High School

2007 - 2012 — International Baccalaureate

Employment

MFS Freight - mfsfreight.ca

November 2015 - Present — IT Manager and Developer

My responsibilities include; a website re-design and development, developing Python software for industrial scale equipment, writing requirements for freight software, integration and training of enterprise applications, development of web applications and services.

The Shayne Gallery - shaynegallery.com

October 2014 - August 2016 — Web Integrator

My responsibilities included; content management, graphic design, social media posts, WordPress website management and artwork photography.

Relevant Projects

MFS Portal

<https://mfs-portal.com>

MFS Portal is an internal company portal designed for both clients and operations. It is designed in Python using flask. I am in the process of designing a REST API available for other companies to interface with our company's data.

Ask Eng

<https://github.com/jonthemango/Ask-Eng>

Ask Eng is an engineering forum web app. The application uses React on the front-end with a Python flask backend API.

Github Statistical Study

https://github.com/jonthemango/github_statistics_study

We conducted a statistical study on the ratio of explicitly typed languages to implicitly typed languages. We used Github's API to query for large projects and began classifying the projects by the type of their language. We used numpy to perform a statistical analysis on the data collected.