

KIMBERLY ALIZADEH

Montreal, QC

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Portfolio : <https://kimalizadeh.fsd01.ca/>

SUMMARY

Highly motivated, curious, adaptable, and unafraid to take on new challenges. I am a Full-Stack Developer student seeking an internship position in an organization that will allow me to enhance my technical skills and collaborate in a dynamic team environment.

LANGUAGES

- English: fluent in both oral and written
- French: advanced in both oral and written

TECHNICAL SKILLS

- Languages/Frameworks: Java, JavaScript, HTML, CSS, PHP, MySQL, Python, Linux Shell, ASP.NET, JQuery, Bootstrap, Java Spring, Node JS, React
- IDEs: IntelliJ, VS Code, PyCharm
- Cloud: AWS, Docker, Azure
- Project Management: Scrum, Trello, GitHub

EDUCATION

Full-Stack Developer A.E.C

John Abbott College, Montreal, QC

May 2021 – June 2022

Master's of Applied Science: Biotechnology

McGill University, Montreal, QC

Sept 2015 – Dec 2016

Bachelor of Science: Environment

McGill University, Montreal, QC

Sept 2008 – Dec 2011

AWARDS

- Dobson Cup Grit Prize: \$2500 May 2016
- Macdonald Entrepreneurship & Innovation Prize: \$1600 May 2016

INDEPENDENT COURSES

- Data Analyst with Python Career Track – Data Camp Sept 2020
- Data Scientist with Python Career Track – Data Camp Oct 2020
- 100 Days of Code: The Complete Python Pro Bootcamp 2021 – Udemy Dec 2020 - Present

PROJECTS

Book Barn - <https://bookbarndb.herokuapp.com/> Nov 2021

- A library web application that includes an admin CRUD panel, a search catalog for general users, the ability for members to rent books and receive email confirmations using Gmail SMTP. Members can also view e-book PDFs and return e-books online.
- Technologies used: Java Spring Boot, Thymeleaf, HTML, Bootstrap, PostgreSQL, GitHub, Trello

Click Clinic - <https://clickclinic.fsd01.ca/> Nov 2021

- Responsive website for a medical clinic that includes an appointment scheduling calendar, tailored dynamic dashboards for admins, doctors, and patients, e-mail reminders, and virtual appointment capability.
- Technologies used: PHP (Slim, Twig), MySQL, HTML, Bootstrap, AJAX, JQuery, GitHub, Trello

Taste of Baking – <http://tasteofbaking.fsd01.ca> Sept 2021

- A responsive website that allows users to browse through baking recipes. Recipes can be sorted based on difficulty and ingredient amounts change based on the selected portion size.
- Technologies used: HTML, CSS, JavaScript, JQuery, AJAX, GitHub

RECENT WORK EXPERIENCE

Fermentation Research Associate Jan 2021 – May 2021
Hyasynth Biologicals, Montreal, QC

- Conducted research on the development and optimization of scale-up processes of yeast fermentation
- Created Python scripts that improved data management and data visualizations
- Effectively documented experimental purposes, designs, data, and interpretations
- Communicated technical insights and recommendations to coworkers and supervisors

Research Technician – R&D Sept 2019 – May 2020
Lallemand Biofuels and Distilled Spirits, Montreal, QC

- Studied the impact of fermentation and distillation parameters on yeast strain kinetics, ethanol yield, and the formation of flavour molecules

- Increased data processing efficiency by creating and implementing Excel macros
- Performed lab-scale fermentations and distillations using different substrates
- Completed quality control analyses
- Wrote and revised SOPs, internal reports, and technical briefs
- Fulfilled technical requests from clients
- Trained interns on experimental procedures and equipment operation
- Presented results to R&D and management team members
- Assisted with the general maintenance and cleaning of the lab and equipment

Research Assistant - Process and Production Sept 2018 – Aug 2019
Lallemand Biofuels and Distilled Spirits, Montreal, QC

- Studied and tested the production feasibility and the performance of candidate yeast strains
- Propagated strains using a 20L bioreactor on a daily basis
- Completed downstream processing using a variety of methods: centrifugation, filtration, extrusion, fluidized bed drying, and the addition of stabilizers
- Achieved a high success rate leading to several strains becoming commercially viable
- Performed quality control testing at different production stages
- Presented results to R&D and management team members