

Geoffrey Meric

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EDUCATION

McGill University

Sep 2020 - May 2024

Bachelor of Science in Computer Science, Minor in Finance

Montreal, Canada

- GPA 4.00/4.00
- Honors and Awards: Judie Rimer merit scholarship recipient, top 10% of cohort
- Relevant courses: Algorithms and Data Structures, Operating Systems, Software Design, Functional Programming

TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript, HTML, CSS, SQL, OCaml, Bash

Technologies: Node.js, Express.js, React, MongoDB, GraphQL, REST APIs, Git, Google Cloud Platform

EXPERIENCE

Software Engineering Intern

May 2022 - Aug 2022

Procter & Gamble

Geneva, Switzerland

- Developed Python documentation tool to programmatically generate visualizations of the Pampers Customer Data Platform (CDP) architecture by interfacing with the Segment API via GraphQL, generating graphs using D3.js
- Deployed GitHub Actions workflows configured using YAML to sync CDP architecture changes in documentation
- Implemented monitoring framework for Braze Customer Relationship Management (CRM) platform operations by creating Python Airflow-automated data pipeline on Google Cloud Platform, interfacing with Braze REST APIs to fetch user change data and loading it to BigQuery, allowing for improved incident tracking and response capability
- Created web app using Node.js and Express.js used to automate CRM operations by leveraging Braze REST APIs
- Designed parsing framework for Segment JSON payloads using recursive Python algorithm to evaluate expression tree and reverse-engineering process to generate JSON payloads programmatically from user inputs

Software Development Intern

Jun 2021 - Aug 2021

Tegoya

Paris, France (remote)

- Collaboratively developed data visualization web application in JavaScript, PHP and HTML/CSS to retrieve, process and graphically display live air quality sensor data to test efficacy of air purification devices
- Utilized Chart.js library to display interactive data graphs and enable visual data comparison
- Implemented data analysis and downsampling capabilities in JavaScript, provided GUI streamlining improvements by implementing curve smoothing capabilities and axis uncluttering through data decimation

PROJECTS

Full-Stack To-Do list web application | *JavaScript, Node.js, Express.js, MongoDB, Google APIs, HTML/CSS*

- Interfaced with Google Calendar API using OAuth 2.0 protocol to enable users to import Google Calendar items
- Built web application using Node.js and Express.js, stored and accessed application data using database deployed on AWS through MongoDB Atlas and performed CRUD operations through MongoDB API

Chrome Extension - RateMyProfs McGill | *JavaScript, HTML/CSS*

- Developed JavaScript Chrome Extension that links professor *ratemyprofessors.com* pages in McGill university course websites
- Procedurally generated professor-specific queries using web-scraped instructor data
- Modified McGill webpage HTML DOM to incorporate links with custom-made graphical interface
- Published extension to Chrome Webstore with over dozen users and 5/5 average rating

2-Player Chess Program | *Python, JavaScript, HTML/CSS*

- Developed Python chess program with move validation and check/mate detection algorithms
- Created randomization-based backtracking algorithm to find and play moves against user
- Reimplemented program in JavaScript for web implementation with GUI