Ekim Karabey

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Technical Skills

- **Languages**   Python • Java • JavaScript • C/C++ • Shell • HTML • CSS • SQL • MongoDB
- **Tools/Frameworks** Flask • Express • PostgreSQL • jQuery • React • Git • Linux • Node.js • AWS

Projects

CLASSIO – https://classio.herokuapp.com
A web-app that simplifies class selection by organizing and presenting data in a user-friendly way.
- Reduces class selection time by over three-fold.
- Used over 1000 times by students across three universities
- Scraped using Selenium and BeautifulSoup, stored using SQL
- Utilizes Python & Flask for the backend, jQuery & Bootstrap for the frontend

DOUH – https://douh.herokuapp.com
A scalable web-app that allows users to create ingredients and recipes, save them to a unique account, and share them with their friends.
- Utilizes Python and Flask for the backend, jQuery for the frontend, PostgreSQL for the database.
- Uses hash encryption and OAuth 2.0 to securely manage critical member info

E-MOTION – https://e-motion-htn.herokuapp.com
A web-app mental health platform powered by journaling and artificial intelligence.
- Utilizes Python and Flask for the backend, React for the frontend, PostgreSQL for the database.
- Uses sentiment analysis to determine the emotion behind a diary entry, plot.ly to visualize it over time.

Experience

TEACHING ASSISTANT – Queen's University   2019-2020
- Worked under Dr. Taylor to lead office hours for MATH111 and MATH121
- Planned, lead and supervised office-hour lectures
- Provided students one-on-one tutoring and general out-of-class assistance

BACKEND DEVELOPER – Bizmed Solutions Inc   2019-2020
- Designed a scalable and modular web server using Express and MongoDB
- Worked with a diverse team of five people to sustain full stack development

LEAD INTERNAL DEVELOPER – QTMA - https://qtma.ca   2019-2020
- Implemented an internal database for managing member information and placements
- Increased internal operational efficiency by 30%

Education

BACHELOR OF COMPUTING (HONOURS) – Queen's University   2018-2023
- Cumulative GPA: 3.70
- Related Courses: Object Oriented Programming, System Level Programming, Algorithms and Data Structures