Ekim Karabey

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Technical Skills

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

Projects

CLASSIO – https://classio.herokuapp.com
A web-app that simplifies class selection by organizing and presenting data in a user-friendly way.
- Used over 1000 times by students across three universities
- Reduced class selection time by over three-fold.
- Scraped and standardized data of over 600 courses using Selenium, BeautifulSoup
- Implemented RESTful API using Flask, UI using jQuery & Bootstrap

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.
- Created a full-fledged CRUD app using Flask, able to manage users and user-relational objects
- Used hashing 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.
- Utilized Python and Flask for the backend, React for the frontend, PostgreSQL for the database.
- Determined and visualized user mood over time by analyzing entries with Azure sentiment analysis

Experience

Teaching Assistant – Queen's University   2019-2020
- Showed leadership to lead office hours for MATH111 and MATH121
- Helped students by providing 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
- Sustained full stack development with a diverse team of five people

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: 3.74
- Related Courses: System Level Programming, Algorithms and Data Structures