Alban Xhaferllari

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SKILLS

- JS, Node, JQuery, Express, Angular, React
- Python, Django Web Framework
- HTML, CSS, SASS, Bootstrap, Materialize

- MongoDB, Mongoose, SQL, PostgreSQL
- APIs, JSON, AJAX, OAuth, REST,
- Git, Github, Heroku

PROJECTS

Safe Night Out - http://saf3nightout.herokuapp.com/
Full Stack web app that calculates user's BAC and provides safe transport options
- Held the tech lead position in a cross-campus group of 4 students, provided the research, support, and expertise on forming robust data models and correct View patterns.
- Developed a Python Django web framework following MVT pattern for back end functionality. Utilized relational PostgreSQL database and will expose an API for users to get updated BAC.
- Leveraged Bokeh Python library to display interactive graphs for users BAC content over time.
- Utilized AWS S3 services to give user ability to upload and store pictures.

AZrecipE - https://azrecipe.herokuapp.com/
Full Stack cooking app that gives you customizable recipes
- Used HTML, CSS, Bootstrap, and JS for front end. Node, Express, Mongoose for back-end MVC pattern.
- Employed Google OAuth through JavaScript's Passport library to authenticate unique users.
- Utilized Spooacular's 3rd party API to request and display data with full CRUB capability. App stores new recipes in the database. Eventual goal is to store enough recipes to eliminate reliance on API.
- Created a MongoDB Atlas non-relational database and used Mongoose library for search/save queries.

Who Wants to Be a Millionaire - https://xhaferllari11.github.io/millionaire-image/
Front-End Trivia Game
- Replicated the game using 3rd party TriviaDB API to receive random questions. App sorts and displays questions in order of difficulty.
- Utilized QuickCharts.io which uses Charts.js to make and embed graphs that show audience responses.

More projects on Github: https://github.com/xhaferllari11

RELEVANT EXPERIENCE

BP, Whiting, IN
Lead Process Engineer, Crude and Vapor Recovery Units   June 2015 – June 2017
- Planned and executed the transition to 94% heavy crude to enable an incremental $330 Mil/year gross refinery margin. Coordinated ramp up strategy with desalting vendors, BP refining technology experts, operations, and maintenance and reliability teams.
- Executed multiple test plans and procedures in interaction with Integrated Supply and Trading groups to achieve on-spec LPG quality which enabled higher yearly pipeline nomination, more trusting relationships with customers, and an incremental $7 million per year.
- Led the crude unit process engineering and operations second shift teams through the first shutdown of the vacuum tower. This mode of operation avoided a full unit shut-down saving the refinery $55 million.

Central Process Engineering, Crude and Coking   Aug 2013 – Jan 2015
- Increased Coker unit throughput by assisting in thermosyphon reboiler startup, furnace flue gas troubleshooting, and reducing coke drum foaming. The combination increased coker rate by ~15 kbd.

EDUCATION

General Assembly, Dallas, TX   *Feb 2020*
Software Engineering Immersive

University of Michigan, Ann Arbor, MI
B.S.E. Chemical Engineering, Minor in Economics