Meekit Patel

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                              https://mpatel18.github.io

Professional Summary

A University of Maryland graduate with experience developing commercial and web based software. Proficient in Java, Python, and JavaScript with an understanding of object-oriented programming.

Education

University of Maryland, College Park   2019
Bachelor of Science, Computer Science

Skills

- JavaScript
- Python
- HTML5
- Java
- CSS3

Projects

Economic Evaluator Web Page: A prototype web service created with the USDA for farmers to find the economic benefits for both the short and long term of certain cover crops in their crop rotation.
- Implemented live data functionality using Python that pulled current prices from Yahoo Finances and stored the data on a persistent MySQL database
- Established a back-end server using Django with MySQL as the database to keep user data such as login information and previous data entries
- Handled project management, tasking, and project testing in our 8-person group
- **Utilized:** Python, JavaScript, HTML5, CSS3, Django, MySQL, SVN

HexConnect: A web game using Phaser, an HTML5 game framework. Hexconnect is based on the popular IOS and Android app Dots created for a private client.
- Applied a unique algorithm to determine the nearest dot with its corresponding colored dot
- Implemented a path tracing algorithm to connect similar colored dots
- Created simplistic 2D dot asset to be used ingame
- **Utilized:** Javascript, HTML5, Phaser

Site Template: A custom made site template created using vue.js. Designed to allow for a simple easy to work with premade site to get a simple website up and running.
- Designed the template based around the W3C standards
- Created a custom design flow to allow for increased user engagement and site traffic
- Applied adjustable components for each existing page to give access to a customizable template layout to allow users to expand the site for further use
- Implemented a express backend server to connect the site template project to heroku for production use
- Created all web page designs using Adobe XD
- **Utilized**: Javascript, HTML, CSS, Vue.js, Adobe XD, Git, Heroku, Express

Weblog: An open source web blog, created using the Django framework on the backend, Bootstrap framework on the frontend, and SQLite as the database.
- Designed a simplistic web page layout using Bootstrap
- Allowed users to register and login using Django built user authentication system
- Implemented a post feature using python to allow users extensive utilities such as making posts, editing/updating posts, deleting posts
- **Utilized:** Python, HTML, Django, Bootstrap, SQLite, Git, Heroku