Alan Banks
Full Stack Software Engineer

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TECHNICAL SKILLS

• MERN Stack • Javascript(ES6) • Java • Python3 • Flask • Ruby • Rails • Linux • GIT • CSS3/HTML5 •
• Bootstrap • API Development/Consumption • JSON • PostgreSQL • NoSQL (MongoDB) • SQlite • MySQL•

TECHNICAL PROJECTS

"**Current Trends**" - [Github Frontend] | [Github Backend] | [Demo]
An online web search engine made for accessing news locally and across the globe.
- Utilized NEWSAPI and Microsoft Azure's Bing News Search API to retrieve local/global news.
- Created Filter/ Search functionality to determine which articles to fetch.
- Utilized Weather API and Geolocation API to display local weather information.
- Created with React Front End and also implemented Redux to manage state.
- User information is stored and encrypted within a PostgreSQL database in the backend.

"**Draw Off**" - [Github Frontend] | [Github Backend] | [Live Site] | [Demo]
An online multiplayer game where users are given a prompt to draw and the winner has the most likes.
- Uses asynchronous programming to allow for multiplayer capability.
- Implemented an authentication flow via FireBase Auth, which checks for auth changes client-side.
- Implemented with ReactJS Front end and Ruby on Rails Backend. Styled with Semantic UI.

"**Askit**" - [Github]
An online forum for asking and answering questions posted by multiple users.
- Rails application constructed with a MVC framework. (Models, Views, Controller)
- Utilized the ActiveRecord module to construct numerous associations between objects/classes
- Set up with SQlite database.
- Views are implemented with ERb syntax making the HTML pages more dynamic.

EXPERIENCE

Mclean Bible Church *(Vienna, Virginia)*   08/2015 - Present
Youth Praise and Worship Leader
- Led congregation in song and promoted a fun and moving atmosphere.

Youth With a Mission *(Kona, Hawaii & Manila, Philippines)*   09/2018 - 3/2019
Missionary Evangelist, Team Leader
- Worked in inner-city homes, mentoring disadvantaged youth.

Bowdoin College *(Brunswick, Maine)*   08/2015 - 05/2018
Resident Proctor/RA
- Proctored and Counseled underclassmen. Provided assistance and community to First-Years.

Johns Hopkins Medicine *(Sibley Memorial Hospital)*   06/2012 - 08/2014
Emergency Room Volunteer
- Provided assistance and resources to healthcare workers.

EDUCATION

University of Maryland Global Campus (UMGC)   College Park, MD
- BS in Computer Science (currently 3.33 GPA)   Expected Completion: 12/2021

Flatiron School   Washington, D.C.
- Full Stack Web Development, Ruby on Rails and Javascript programming   01/2020 - 05/2020

Bowdoin College   Brunswick, ME
- BA in Music   05/2018