RISHAB BANSKOTA

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Portfolio Website: mason.gmu.edu/~rbanskot , password for resume: CareerFair2019

Summary: Innovative, quick learner Computer Science student in his final semester looking for a full-time Software Development opportunity/internship to enhance productivity and exercise his programming skills.

Skills and Abilities

- Programming Languages: Java, Python, C, C#, HTML, CSS, ASP.Net, JavaScript.
- Skills/Tools: Visual Studio, Android Studio, GitHub, SQL, Oracle, SSMS, MS Office Applications, AutoCAD, Revit.
- Featured courses: Analysis of Algorithms, Database Concepts, Data Mining, Object Oriented Programming, Data Structures, Software Engineering, Android Mobile Application Development.

Education

- George Mason University, Bachelor of Computer Science, **GPA**: 3.4, **Expected graduation**: 05/2019
- Northern Virginia Community College, Associates Computer Science (Honors), **Graduated**: 12/2016

Development Experience

Application Developer Intern | **Navy Federal Credit Union** | [04/2018-Current]
- Developed web applications that update relational databases with focus on grid components using ASP.NET and Bootstrap using MVC Architecture and Entity Framework using C#.
- Managed databases using SSIS, SSMS, ETL and perform testing on applications built using TDD approach.
- Administer, upgrade and support hosted windows/Linux servers for vendor applications such as Blueprint, Jira, Tableau, iDashboard and provide users assistance/training with any difficulties.

STEM/IT Experience

ECE Lab Assistant/IT Tech | George Mason University (Fairfax Campus) | [01/2017- 04/2018]
- Assist students with hardware components as required for their lab and helped them with senior design projects.
- Provide technical IT support to ECE staff and students.
- Monitor lab equipment/computers for failures and updates.

IT Support Staff | Northern Virginia Community College (Manassas Campus) | [08/16-12/16]
- Configured computer hardware operating systems and applications and installed different software as required.
- Ensured network security by talking staff or clients through a series of actions, either face-to-face or over the telephone. Also, imaged computers based on user roles.

Teaching Assistant / Tutoring Experience (Python and Math)

Teaching Assistant | George Mason University (Virginia Serious Game Institute) | [03/2018- 06/2018]
- Provided feedback/help to improve programming technique and efficiency to 20 students in Python.
- Helped students with their projects/labs and served as a liaison between the instructor and students.

Math Tutor | Magellan Tutoring | [05/2017-01/13/2018]
- Conducted tutoring sessions for Math, English and Computer Science courses.
- Monitor students' academic progress and help them achieve goals by mentoring and assisting them with organization and time management skills.

Hackathon Participation:

- Amazon Build your Future Hackathon (Solved several challenges at a given time frame with assigned team) [Dec 2017]
- Amazon Build your Future Hackathon (Built a skill for Alexa using Lambda Function and NLP) [March 2018]
- Amazon Build your Future Hackathon (Built another skill for Alexa) [June 2018]
- Patriot Hacks MLH Hackathon at Mason Innovation Exchange (Implemented generic service providing application) [George Mason University, October 12, 2018]

Programming Projects: (For source code and additional info, please visit my website's projects tab and GitHub)

- *Never Forget **Android Application***: Application where you can setup a reminder by date/time or by location which reminds you of an event when you get to the location of your interest within your specified radius using **Java**. (API's : AlarmManager, BrodcastReceivers, LocationManager)
- *Crime Analysis:* Performed classification and clustering to predict a precinct of a crime given attributes such as offense, reported date, shift and district on Chicago Crime dataset along with cluster analysis in **Python**.
- *Text Clustering:* Used **numpy** arrays and implemented **K-Means** algorithm to perform text clustering given a dataset of size 8000. Dealt with Text data in Term-Document Sparse Matrix format in **Python**.
- *Patriot Buddy Android Application:* Application where a GMU student can create a profile, add classes and see other friends in their class using **Firebase**. The user can then interact with their classmates, chat with them and view their mutual free time to schedule a group study and/or other activities.
- *Tiny Image Segmentation in **Java***: Performed pixel classification where a new image is drawn with n number of pixels that the user defines using **Priority Queue** and **LinkedList**.
- *Mandelbrot and Julia Sets in **Java***: Implemented the two fractals, results in a text file and an interactive GUI.Wrote the Complex, Fractal, Mandelbrot and Julia classes.