Software Engineering CSC 4350

Tickr

Spring 2018

Group Name: Tickr

Team Members	Role
Haroon Qahtan	Back End developer / Project Designer
Natsai Ndebele	Team Coordinator /Front End developer /Technical Documenter
Justin Little	Front End developer / Project Designer
Charlie Neopane	Back End developer / Technical Documenter
Austin Tyler	Full Stack developer

Roles Definitions:

-Back End Developer: in charge of working on the proposed solution's Back-end

-Front End Developer: in charge of working on the proposed solution's Front-end

-Project Designer: designs the system and how data will flow through the system

-Technical Documenter: in charge of making the proposed solution's technical documentation.

-Full Stack Developer: in charge of working on the system's front-end and back-end

Team Member Resumes

HAROON QAHTAN

404-988-4543 | https://linkedin.com/in/HaroonQahtan| haroonqahtan@gmail.com
https://github.com/eychcue

EDUCATION

Georgia State University –College of Arts & Sciences - Atlanta, Georgia   May 2019
Bachelor of Science: Computer Science

SKILLS

Languages: Java, Python, Bash, C, JavaScript, HTML/CSS, Swift, Assembly x86, Lua

Technologies: Android, Bootstrap, Flask, AWS, GIT

Other skills: Fluent in Arabic, Analytical thinker, Superior verbal and written communication skills

WORK EXPERIENCE

Georgia State University, Atlanta, Georgia   April 2017 – Present
Workstation Technician

- Provide technical assistance and support related to computer systems, hardware, and software.
- Respond to tickets from numerous Georgia State University departments which require me to run diagnostic programs, isolate problems, and determine the best implementation for a solution.

TECHNICAL EXPERIENCE/AWARDS

Won First Place at MartaHackaton Fall 2017
- Contributed in building an IOS app with my team called MartaGoNoGo that advises Marta riders when to ride the bus with the least delays.
- Developed a Machine Learning Model in Python using the Scikit Learn library that took in information about weather, traffic, and historical bus arrivals to provide an accurate prediction of whether today will be a good day to ride Marta bus to get to the destination on time.

Won Overall Award Anthem Prize at hackGSU Spring 2017

- Received the best overall Anthem prize for our project Vizitr that solves the problem of allowing people to visit companies without the hassle of being time-consuming.
- Worked on the Alexa Echo app that communicated with the visitor to get their information and pass it on to a WebApp that handled the users' information as well as keeping a record of their visit.

PROJECTS

StockBot
- StockBot is a project started at a hackathon (HackEmory) which I decided to continue to work on. It is an Amazon Alexa application that allows users to get more detailed information about stocks.
- Built the application using Python, Amazon Web Services, and the Yahoo Finance API.

Junya - App Game Development
Founder
- Developed and published two casual mobile games using Corona SDK and Buildbox to the Play Store.
- Designed special user interface for apps using design software such as Photoshop and Illustrator.
- Focused on revenue generation by managing all aspects of our income using Google Analytics and AdMob.

Buildr – Home Depot Code-athlon
- Buildr is a web app that helps users plan for a DIY project by walking them through the tools needed for the project and an easy portal to calculate and buy all the items from the Home Depot website.
- Built the backend API using Python which scrapped the Home Depot website for products, prices and exact locations of where items are located.

LEADERSHIP AND ACTIVITIES

PantherHackers, Georgia State University   August 2016 – Present
Finance Committee Chair
- Make financial decisions on how to plan PantherHackers' budget and best way to spend it
- Seek and maintain sponsorships from companies for PantherHackers
- Work with other committee's in the club to manage and maintain their committee budget

Natsai Ndebele

Computer Science Education:

- Georgia State University, Bachelor of Science in Computer Science, Concentration Graphics and Human Computer Interaction
- Classification: Junior

Useful Courses for this project:

- Windowing systems (a course on graphical user interfaces)

Relevant Projects:

ExeBeatz, *Team Lead and Developer*
- Created and organized Technical Documentation
- Designed and created a Java based app for users to exercise listening to music
- Designed and created quality assurance checks to ensure the prototype matched the designs specifications and requirements

Bethel Campus Fellowship Web Team:

- Currently working with a web team based in the US to build a conference app for Bethel Campus Fellowship's annual conferences.

Machabeng Gate Registration System:

- Designed and created a Gate Registration System for Machabeng College International School of Lesotho.
- Created and organized Technical Documentation

Work Experience:

- Back Stage Capital Database Manager
- Activvely, Social Media and Marketing intern
- iD Tech, Mobile App Development and Video Production for Youtube Instructor

Proficient in:

- Java
- Html
- CSS
- SQL
- Java FX

Knowledge of:

- PHP
- Python (not too proficient)
- Javascript
- Git Hub

Justin Little:

Education - Georgia State University

Bachelors of Science - Computer Science

Concentration in Software Systems

Junior - Expected Graduation May 2019

Relevant Coursework

- Principles of Computer Science I & II
- Discrete Mathematics
- Computer Organization
- System-Level Programming
- Data Structures
- Computer Architecture

Current Coursework

- Design & Analysis of Algorithms
- Web Programming
- Software Engineering

Career Experience

- Apple - iOS Technical Support Advisor
- Freelance Web Development

Proficient In

- Java
- C
- JavaScript
- HTML
- CSS

Working Knowledge In

- Python
- PHP
- SQL
- Git & Github
- APIs

Tools Used:

- IntelliJ IDEA
- Sublime Text
- Terminal
- FileZilla

Charlie Neopane:

Computer Science Education:

Associate of Science, Computer Science ->Georgia Perimeter College   Graduated May 2016

Relevant Project:

Temperature Conversion from Fahrenheit to Celsius or vice-versa using GUI in Java programming.

Bachelor of Science, Computer Science

Relevant Projects:

Individual Projects:

❖ Weight Conversion GUI (2016): If user input his/her weight in pounds then it will be converted to grams or vice-versa.
❖ Bank Account Transaction with deposit, interest rate and withdrawn functions in Java Program.

Group Projects:
❖ Build a website with PHP and CSS. Web sites is based on the mad libs games.
❖ Build a website called E-Commerce with PHP –MVC. It was based on the booking flight, prepaid parking and renting the cars.
❖ Develop an android app called FormAgent where a person working for certain company can write what is the problem with customer and they can send those notes to theirs headquarter.

Technology Skills

Programming Languages (2016): Java, C++, Python, PHP, HTML, CSS, Android App Developer (Beginner)

Austin Tyler:

Education - Georgia State University

     Bachelors of Computer Science

     Junior - Expected graduation Spring 2019

Career experience

     Office Depot Customer Tech Support

Proficient In:

     Java

Working Knowledge

     C

     Python

Topic:

Business/Finance

As a group for our Software Engineering Project, we would like to work on a financial solution, which tracks user finances by monitoring spending habits and helps the user make monthly cryptocurrency investments by monitors cryptocurrency markets.