Basel Saleh
Software Developer
bsaleh03@gmail.com | (313) 375-0886 | https://www.linkedin.com/in/basel-s/ | https://bsaleh03.github.io

SUMMARY

Motivated Computer Science graduate with a year of experience in software engineering and quality assurance. Looking to apply my skills in problem solving, design and implementation. I enjoy learning about new systems and frameworks and take any opportunity to expand my skillset.

WORK EXPERIENCE

Continental AG   November 2018-November 2019
ADAS Software Engineering Intern   Auburn Hills, MI
Duties:
- Designed and implemented a system to automate smoke testing of new software
- Performed static and dynamic code analysis on embedded C production code using Cantata and QAC and reported errors in addition to attending regular code reviews
- Automated tasks in testing and development using Python

Accomplishments:
- Took initiative to develop a new tool to allow direct communication to Trace32 from the command line
- Implemented software security and key provisioning protocol tests on production software
- Assisted in test driven development for a new project

EDUCATION

University of Michigan-Dearborn   September 2016-April 2020
BS in Computer Science   Dearborn, MI
- GPA: 3.18

ACADEMIC PROJECTS

Senior Capstone project
Development Lead
- Designed and developed a calendar app that doubles as a life coach for Android phones
- Worked with a client to develop an Android mobile app that acts as a scheduler and connects to real life-coaches
- Used SQLite to connect to the local backend, SQL to connect to the life-coach database

Engineering Intro project
- Designed and prototyped a small autonomous car to navigate a course effectively
- Programming was done using an Arduino microcontroller interfaced to ultrasonic sensors for object detection
- Took leadership when the project progress fell behind and completed the project by the deadline

SKILLS

- Programming: Python, C++, Java, Arduino
- Web design: JavaScript, HTML, React.js
- Database management: MySQL, Microsoft Azure, SQLite, Firebase
- Mobile development: Java Mobile development (Android), React native, Flutter
- Testing: CANoe bus simulation, Trace32 environment, Cantata dynamic testing, QA-C static testing, CAPL

ACKNOWLEDGEMENTS/PERSONAL PROJECTS

- 2nd place in the 2016 University of Michigan Dearborn Engineering and Computer Science Experience programming competition
- Built a React.js website: https://dearbornendocrinology.com/