

# Basel Saleh

## Software Developer

[bsaleh03@gmail.com](mailto:bsaleh03@gmail.com) | (313) 375-0886 | <https://www.linkedin.com/in/basel-s/>

### SUMMARY

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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

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#### 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

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#### University of Michigan-Dearborn

September 2016-April 2020

BS in Computer Science

Dearborn, MI

- GPA: 3.18

### ACADEMIC PROJECTS

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#### 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

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- 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

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