

# Hamza Ehsan

Result-oriented software engineering professional with expertise in building secure and scalable cross-platform progressive web applications.

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## WORK EXPERIENCE

### Weidert Group, Appleton — Full-Stack Engineer (Remote)

Oct 2020 - Current

- Integrated set of new API endpoints related client-critical progressive web applications using **React**, **NodeJS** and **Redux**.
- Porting current swift based IOS applications to **Flutter** using the **GetX** framework.
- Relieving technical debt by upgrading legacy code to **reactive flutter** for API integrations.
- Created a custom **CSS3** optimization tool reducing app bundle sizes by 20%.
- **Profiling, troubleshooting** and updating legacy code to tune and system performance and decrease average response times.

### Lawrence University, Appleton — Software Engineer Intern

June 2018 - June 2020

- Implemented third-party services and external API's to student-facing portal reducing code duplicity by 35% using **JavaScript**, **Redux** and **Zeplin**.

### Titletown Tech, Green Bay — Software Engineer Intern

June 2019 - Sep 2019

- Built and integrated a CTC Voice Recognition module for a VR language learning software using **Python**.
- Helped create a machine-learning algorithm to classify potentially successful start-ups using **Python** and **Pitchbooks**.

### QOLOS, Green Bay — Full-Stack Software Engineer (Remote)

February 2019 - June 2019

- Co-engineered a cross-platform car wash subscription service app using **Flutter** and conducted testing using **Selenium**.

## EDUCATION

### Lawrence University, Appleton — Bachelors of Arts

Computer Science and Philosophy

August 2016 - November 2020

## SKILLS

Object-Oriented Design  
Database Programming  
Cross-Platform Development

## AWARDS

1st – MakeHarvard, Harvard University (2019)

3rd – DifferenceMaker, U. of Massachusetts (2019)

2nd – The Pitch, UW – Green Bay (2019)

1st – LuLaunch, Lawrence University (2018)

3rd – MadHacks, UW – Madison (2018)

## LANGUAGES

JavaScript  
Dart  
Java  
Python  
SQL

## Frameworks

Flutter  
ReactJS  
NodeJS  
Flask

## SELECTED PROJECTS

## **DroneSeek** — *Autonomous Disaster Relief Drone*

- Built with Flutter, Express.js, Firebase