

Akif Manzoor

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SKILLS

LANGUAGES

JavaScript, TypeScript
Python, Java, C
HTML, CSS

FRAMEWORKS

React.js, React Native
Redux
GraphQL, REST API, AJAX
Node.js, Express.js
Jest, Cypress
Bootstrap

TECHNOLOGIES

Git, Github
Linux
MongoDB, SQL
Arduino

CONCEPTS

Object Oriented Programming
Full Stack Development
Web Development
Mobile Development

EDUCATION

UNIVERSITY OF OTTAWA

BASC IN COMPUTER
ENGINEERING
Sept. 2015 - Dec. 2021
Analysis and Design of UI
(Heuristic Evaluation)
Programming Paradigms (Go,
Scheme, Prolog)
Higher Layer Network Protocols

RELEVANT COURSES

FullStackOpen 2020
JavaScript30
Web Development Foundations

VOLUNTEERING

OTTAWA MISSION

Food Server - Present

DISCOVERY

UNIVERSITY CANADA

Facilitator - 2018

UOTTAHACK

Mentor - 2018
Mentor - 2019

EXPERIENCE

ERICSSON SOFTWARE DEVELOPER

Sept. 2018 - Aug. 2019

- Received two "Act to Execute" awards for automating software loading process and reducing time from 8 hours to 10 minutes using **Python**
- Developed GUI using **Eel.js** and **HTML5** for developers to interact with software loading tool
- Created **MongoDB** database to track phones and troubleshooting steps performed by developers throughout company

TYTO ROBOTICS SOFTWARE DEVELOPER

May 2017 - Aug. 2017

- Migrated cross-platform app to **NW.js** framework before deprecation of Chrome Apps
- Optimized and doubled USB data communication rate from computer to dynamometer
- Resolved critical bugs to improve performance using **HTML**, **CSS**, **JavaScript** and **jQuery**
- Packaged app using BitRock installBuilder and implemented update functionality

EXTRACURRICULAR

OTTABOTICS VICE PRESIDENT

Aug. 2017 - Feb. 2018

- Designed 3-week long recruitment project for 100+ recruits on a budget of \$500
- Organized and lead workshops in **Arduino**, **Git**, and **OpenCV** for 50+ people
- Worked with a team of 11 executives, managing 3 competition teams and 1 project team
- Trusted signer for Ottabotics bank account and assisted CFO in bank related activities

OTTABOTICS | CHARTWELLS PROJECT MANAGER | SOFTWARE DEVELOPER

Oct. 2016 - Aug. 2017

- Developed an Autonomous Recycling Machine (A.R.M) managing 15+ members on a \$5000 budget
- Detected soda cans and water bottles using **Python** and **OpenCV-Haar Cascades**
- Saved hours of work by using turntable to take pictures of samples in various angles and used **Python** to crop images

OTTABOTICS WEB DEVELOPER

Jan. 2016 - Aug. 2017

- Setup LAMP stack on **Linux** server to create website for showcasing projects and recruitment info
- Designed website using **HTML** and **CSS** on a Wordpress website

BRUYÈRE-SAINT VINCENT HOSPITAL SOFTWARE DEVELOPER

May. 2016 - August 2016

- Created a prototype to combat improper wheelchair use with 6+ members on a \$200 budget
- Designed circuit schematics and implemented using **Arduino**
- Developed code in **C** to control servos and read pressure sensors data

PROJECTS

ACREEYE AGRICULTURE SURVEYING DRONE

Sept. 2020 - Present

- Working with 5 team members to develop an agriculture surveying drone for farmers
- Developed a dashboard for farmers using **React.js**, **Redux**, **Bootstrap** and **firebase**

DICE FIESTA DRINKING GAME APP

Feb. 2020 - Present

- Working with team member to develop a drinking game app using **React Native**

MEALABS HOME AUTOMATION

May. 2019 - August 2019

- Developed scripts in **C** to send **HTTP** requests from blinds, and lights using **Arduino**
- Created server using **Express.js** and **JavaScript** to listen for **HTTP** requests
- Developed **Android** app using **Java** and **Retrofit** to retrieve data from server