





Mufeez Amjad

Software Engineering, University of Waterloo

mufeez.me 

mufeez-amjad 

mufeez-amjad 

mufeez.amjad@uwaterloo.ca 

SKILLS

Languages: Python, Java, C, C++, Scala, VHDL, Swift, JavaScript, SQL, Sass, C#

Technologies: React, Node.js, Express, Angular, CoffeeScript, React Native, Flask, GraphQL, Postgres, MongoDB, AWS, Git

WORK EXPERIENCE

- **Software Engineer Intern – Ecommerce | KitchenMate** May 2019 – Present
 - Redesigned the creation of printed labels using *S3* & *Lambda*, **halving server boot time and processing data 78% faster**
 - Devised a graph search SQL algorithm to aggregate the cost of ingredients, driving up to a **37% decrease in food costs**
 - Spearheaded a product launch of halal dishes, growing weekly active users by approximately 2%
 - Launched a referral marketing program using data persistence through *LocalStorage*, *Angular*, *Node.js*, and *Sendgrid*
 - Created a daily meal recommendation system using *Onesignal*, **increasing daily orders by 8%**
 - Pioneered the implementation of an OLED display for future iterations of the IoT cooker using Python *luma* and *Pillow*
- **Web Developer & Designer | Major Political Party** Oct 2017 – Jun 2018
 - Developed a responsive website using *HTML*, *CSS*, and *JavaScript* for events and initiatives for local MP
 - Increased event registration **conversion rate by 40%** through iterating over several designs and running A/B tests
 - Designed graphics and copy for marketing campaigns with a **52% increase in engagement** compared to past posts
- **Freelance Graphic/Web Designer | MA Designs** Apr 2015 – Jul 2018
 - Converted and **contracted 200+** medium-sized business clients for websites, UI/UX, branding, and product design
 - Generated **\$18,000+ in revenue**, experiencing an average of 65% year on year growth over a span of 3 years
 - Designed and published four approved Snapchat geofilters with a total of over **2 million views**

PROJECTS

- **Auxilium | Node.js, Python, React, Stellar Blockchain, AWS, MongoDB**
Registered micro-financing for low income populations - Winner at PennApps XX: Top 10 of 300+ teams
 - Developed backend with **local persistence**, transaction storage on the blockchain, Twilio & **AWS Rekognition** integration
 - Implemented core ATM functionalities including deposit and withdrawal using a Raspberry Pi 3 with hardware modules
- **Bubble Burst | Swift, Firebase**
iOS Arcade game on the App Store - Published in 2019
 - Scoped and developed an iOS game with accessibility features, gaining 10,000+ ad impressions through Google Admob
 - Amassed over **1,100 downloads**, a **4.9 rating**, and over 40k impressions on the App Store with organic marketing
- **FightVR | C#, Java**
Inexpensive Android VR Setup - Best VR Hack at Redbull AdrenaLAN
 - Developed a sword fighting VR game using gyroscope data and **vector and quaternion mathematics**
 - Created a server-client interface to transfer data between host device, Myo Armband, and Android phone using C#
- **Bubbly | C++, React, Redux**
Programmable bubble wall display - Top 10 Overall at HackThe6ix
 - Built an Arduino microcontroller for controlling **solenoid air valves** through a **transistor switch board** over bluetooth
 - Developed a React web app with **web bluetooth** functionality to control patterns and colors on the bubble wall

EDUCATION

University of Waterloo – **Bachelor's of Software Engineering (B.SE.)**

Sep 2018 – Present

Relevant Coursework: Sequential Programs, Optimization, Data Abstraction, Digital Computers, Programming Principles
Engineering Ambassador, 5+ Hackathons, StarterHacks Mentor, WATonomous Design Team, Badminton, MSA