


Joshua Allum

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 joshua-allum

- SUMMARY OF QUALIFICATIONS -

Leadership Skills

Developed through 3 years as troop leader of troop of 40+ scouts, planning activities and coordinating events.

Software Development Skills

More than two years of experience using JavaScript, Node.js, HTML, Angular, React, Git and \LaTeX in production projects both paid and unpaid for non-profit.

Communication Skills

Expert communicator with multicultural background of diverse perspectives.

Problem Solving

Natural problem solver with initiative to take ownership of problems.

- ACHIEVEMENTS -

2013 | 10th overall in the Caribbean CAPE, Computer Science Unit 1.

2013 | Chief Scout Award

Awarded by the President of Trinidad and Tobago.

2015 | National Scholarship Winner

Awarded based on exceptional performance in CAPE.

2014 | World Scout Jamboree

Represented Trinidad & Tobago internationally at the 23rd WSJ in Japan.

2012-16 | Music Festival Champions

Winner with the Holistic Music School Ensemble of the biannual T&T Music Festival three times consecutively.

- CLUBS -

2017→ | ACS

Web Admin and executive member of the UW Association of Caribbean Students.

2016→ | Caribbean Tech Forum

Contributing member of small community of tech enthusiasts.

- EDUCATION -

Honours Computer Science Co-op,
University of Waterloo, expected Winter 2021

Cumulative Average: 86.44%

Faculty/Major Average: 91.67%

- WORK EXPERIENCE -

Massy Technologies InfoCom | Software/Data Science, May 2018 →

- Identifying trends and insights in customer spending to be integrated into further expansion of Massy Stores using techniques such as Market Basket Analysis and Cluster Analysis.
- Producing statistics and tangible metrics of branch performance based on large datasets of transactions.

UWBlueprint | Project Developer, January 2018 →

- Collaborating with team of developers to produce software solutions for Non-Profit Organizations.
- Created mobile app for Ontario Secondary School DanceFest for judges to record real-time audio adjudications during dances and score participants in one coherent offline capable interface.

Teleios Systems Limited | Software Dev Intern, June 2017 - Aug 2017

- Contributed to full solution for the government of Bahamas' new NHI program by developing a .NET core web service to validate and sync user info between Bahamian databases with transient-fault-handling via Polly.
- Prepared and hosted the company's 10th Power Hour Live session, a live discussion/showcasing of current, exciting technologies.
- Created and deployed the Teleios Code Jam bot using MS Bot Framework and Luis.ai. Accessible by messaging TCJ Facebook page or via Cortana.

- PROJECTS -

ArgonJS-Playground | Argon.js, A-Frame, Socket.io, LUIS.ai

- Developed AR scene using Argon.js with NodeJS backend server that accepts API requests to modify the virtual scene.
- Used socket.io to emit scene modifications to all connected users so objects of the world are modified simultaneously for all users.
- Demoed app using bot created with MS Bot Framework and LUIS.ai to send appropriate API requests using natural language.

UW Assoc. of Caribbean Students Website | Angular, Firebase

- Built from scratch and maintain the clubs current website.
- Includes admin features and varying user role access.
- Integrated with Firebase to manage the database of users and allow admins to interact conveniently with the data.

STAT 230 Course Notes | \LaTeX

- Creating fully-fledged book including proofs, theorems, graphs and original examples, for STAT 230 at UW in \LaTeX .

- ACTIVITIES -

2009→ | Holistic Music School Ensemble

Semi-professional lead flautist in mainly jazz but also folk and locally oriented band.

2009-15 | First Trinidad Sea Scouts

Troop Leader tasked with planning and organizing events.

Over 40 hours of community work includes beach clean ups, charity events and life guarding services.