Joshua Allum

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 jtaaa

 joshua-allum

- EDUCATION -

University of Waterloo
Honours Computer Science
Dean's Honours List: All completed terms

Cumulative Average: 90.50%
Faculty/Major Average: 94.83%

St. Mary's College
Graduated in May 2015
Achieved 10 grade 1's in CAPE.

- SKILLS -

Proficient in:
C, C++, Python, JavaScript, HTML,
Racket, Git, LaTeX.

Familiar with:
Android, Java, Node.js, Angular 2,
Firebase, Express.js, CSS,
Microsoft Word, Excel, Access.

Learning:
MySQL, R

- 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.

2016→ | UW Stats, CS, Math Club
First year member of university clubs.

- WORK EXPERIENCE -

Western Union | Front Line Agent, Sept 2015 - May 2016
- Handled money transactions of hundreds of clients per week.
- Created excel spreadsheets to record daily transactions and produce predicted balance figures.

Quivira Scout Ranch | International Camp Counselor, June 2016
- Taught young scouts about scouting, specifically rowing, kayaking, motor-boating and sailing.
- Collaborated with the management of QSR and the scouting association of Kansas to inform Kansan scouts of the world beyond the USA.

- PROJECTS -

Connect Web-app | HTML, CSS, PHP
- A collaboration with a team of four to create a web-app that stores a set of user-defined hyperlinks and generates a unique webpage, with the user's links embedded, that can be shared.
- I took on the back-end and learnt PHP on the spot in order to store user links in a .txt file and generate page URLs.

PDF-Splitter | Node.js, Express.js
- Designed a web-server that I host locally that splits user-uploaded PDF files.
- My first heavily back-end oriented project.

Heart Rate Calculator | C
- Designed and coded from scratch a C program that computes, stores and manages the average heart rates of users.
- Features include data storage and management in a custom encoded file and warning messages for abnormal heart rates.
- Fitness level is calculated by checking user heart rate against the average heart rate of a person in the user's demographic.

- ONGOING PROJECTS -

CapeNotes.com | Angular 2
- Working in my spare time on a website that provides CAPE students with course notes, practice questions and a list of relevant materials.

STAT 230 Course Notes | LaTeX
- Creating a 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 a 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.