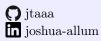
# Joshua Allum

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### - EDUCATION -

## University of Waterloo

Honours Computer Science Dean's Honours List: Fall 2016

 $\begin{array}{ll} {\rm Cumulative\ Average:} & 88.80\% \\ {\rm Faculty/Major\ Average:} & 94.33\% \end{array}$ 

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, LTFX.

#### Familiar with:

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

## Learning:

MySQL, R

## - Achievements -

2013 | 10<sup>th</sup> 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 23<sup>rd</sup> 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 -

#### $2017 \rightarrow | ACS$

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  $\rightarrow$  | 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 | IATEX

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

## - ACTIVITIES -

#### $2009 \rightarrow |$ 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.