


# Joshua Allum

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 jtaaa

 joshua-allum

## - EDUCATION -

### University of Waterloo

Honours Computer Science

*Dean's Honours List: Fall 2016*

**Cumulative Average:** 88.80%

**Faculty/Major Average:** 94.33%

### 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.js, 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→ | 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 web-page, 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 | HTML, CSS, PHP, JavaScript

- 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.