

# Joshua Allum

<https://jtaaa.github.io>

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## - EDUCATION -

### University of Waterloo

Honours Computer Science

Expected April 2020.

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++, JavaScript, HTML, Racket, Git  
Microsoft Excel, Word, LaTeX.

### Familiar with:

PHP, Python, Android, Java, Microsoft  
Access.

### Learning:

MySQL, Sequel, 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 &  
Tobago.

**2015 | National Scholarship Winner**  
Awarded based on exceptional perfor-  
mance in CAPE.

**2012-16 | Music Festival Champions**  
Winner with the Holistic Music School En-  
semble of the biannual T&T Music Festi-  
val three times consecutively.

**2014 | 23<sup>rd</sup> World Scout Jamboree**  
Represented Trinidad & Tobago interna-  
tionally at the 23<sup>rd</sup> WSJ in Japan.

## - CLUBS &

### 2013-15 | CS Club

Executive member of the St. Mary's Col-  
lege Computer science club.

## LINKS

GITHUB | [github.com/jtaaa](https://github.com/jtaaa)

LINKEDIN | [linkedin.com/in/joshua-allum](https://www.linkedin.com/in/joshua-allum)

## - 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 associ-  
ation of Kansas to inform Kansan scouts of the world beyond the USA.

## - PROJECTS -

### Carnival Band Database | Microsoft Access

- Designed a database to manage a carnival band's member data.
- Included multiple forms, reports and mail merge features to sign up new masqueraders, show statistical data and distribute personalized band information to members.
- Integrated with Microsoft Excel and Office to facilitate easy data input and information output in the form of charts and graphs.

### 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 en-  
coded file and warning messages for abnormal heart rates.
- Fitness level is calculated by checking user heartrate against the aver-  
age heart rate of a person in the user's demographic.

### 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.

## - 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.

## ACTIVITIES -

### 2009-15 | First Trinidad Sea Scouts

Troop Leader tasked with planning and organizing events.  
40+ hours of community work includes beach clean ups, charity events and life guarding services.

### 2009-15 | Holistic Music School Ensemble

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

### 2013-14 | Management Team

Member of the St. Mary's College M-Team that plans and organizes school events such as fundraisers and external functions.