

Duane R. Swift

Permanent Address:
78 Santa Monica Gardens,
D'Abadie, Trinidad & Tobago

+1 (857) 269 9703
swift.du@husky.neu.edu
LinkedIn: /DuaneSwift
duaneswift.com

On Campus Address:
291 St. Botolph Street,
Boston, MA
02120

EDUCATION

Northeastern University, Boston, MA, USA
College of Computer and Information Science

September 2014 – Present

Candidate for a Bachelor of Science in Computer Science and Linguistics; GPA: 3.131

Expected May 2018

Related Courses: Object-Oriented Design, Algorithms & Data, Theory of Computation
Logic & Computation, Fundamentals of Computer Science 1 & 2, Linguistic Analysis,
Syntax, Psychology of Language, Discrete Structures
Honors: University Scholars Program (Top < 1% of Entering Class)
Activities: Resident Assistant, Choral Society
Community Service: Northeastern Youth Development Initiative Program, Boston Partners in Education

Hillview College, Tunapuna, Trinidad and Tobago

June 2014

Related Courses: Caribbean Secondary Education Certificate (CSEC) Information Technology,
Caribbean Advanced Proficiency Examination (CAPE) Computer Science Units 1 & 2
Honors: CAPE National Scholarship Recipient (Trinidad & Tobago)
Activities: Head Prefect, Vice President of Recycling Club, Robotics Club, House Captain, Swim Team,
Student Council, Literary & Debating Society

COMPUTER KNOWLEDGE

Languages: Java, C, JScript, Python, Racket, C++.
Operating Systems: Windows, Android, Linux.
Projects: Music Reader/Player, Maze Game, Frogger Game, Personal Website, TriniTranslate (In Progress)

RELATED EXPERIENCE

Program Developer (Personal Project), Trinidad
TriniTranslate (In Progress)

August 2016 – Present

- Analyzing the concepts of parsing sentences, part of speech tagging and statistical learning.
- Experimenting with two main approaches – statistical and “Chomsky-an” approaches to parsing, and evaluating the merit/pros and cons of both, starting from scratch.

Program Developer (Class), Boston, MA
Music Reader/Player

October 2015 – December 2015

- Analyzed and developed a suitable model to parse pre-existing formatted text files for the project
- Developed the view for the music player, to render them in three different views – Console, GUI & MIDI.

Program Developer, Tunapuna, Trinidad
Laundry Management System

September 2012 – March 2014

- Analyzed the existing system, and created and implemented a new system with C, which managed login information
- Kept track of customer records, created receipts, checked inventory and kept track of daily, monthly and yearly finances.

OTHER EXPERIENCE

Field Linguist, Trinidad & Tobago/USA
Independent Research

June 2015 – September 2015

- Created a sociolinguistic survey to elicit dialectal differences within the Caribbean
- Elicited phonological, morphological, syntactic and lexicosemantic differences within and between the islands.

INTERESTS

Academia: Natural Language Processing, Computational Linguistics, Artificial Intelligence, Research.
Arts: Singing, Classical & Choral Music, Marching Band Choreography.

References to be furnished upon request