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:
337 Huntington Ave.
Boston, MA 02115

EDUCATION

Northeastern University, Boston, MA, USA   September 2014 – Present
College of Computer and Information Science
Candidate for a Bachelor of Science in Computer Science and Linguistics; GPA: 3.13   **Expected May 2018**

Related Courses:	Programming Languages, Natural Language Processing, Artificial Intelligence, Software Development, Object-Oriented Design, Algorithms & Data, Theory of Computation, Phonology, Morphology, Syntax.
Honors:	University Scholars Program (Top < 1% of Entering Class)
Activities:	Senior Resident Assistant, Choral Society
Community Service:	Northeastern Youth Development Initiative Program, Boston Partners in Education

COMPUTER KNOWLEDGE

Languages:	Java, Python, Racket, C, JavaScript, C++, HTML, CSS, SQL
Frameworks:	Django, Flask, Solr/Lucene, RESTful API
Small Projects:	Pacman AI (Python), Maze Game (Java), Personal Website (HTML, CSS, Bootstrap)

PROJECTS/EXPERIENCE

Alnylam Pharmaceuticals – Bioinformatics Software Developer *(Python, Flask, Solr)*   Jul. 2017 - Present
- Implementing and stress testing an internal search engine using the Solr Framework and Python
- Building a WebApp with Flask for the tracking of Animal Studies

TriniTranslate *(Java, Python)*   Jul. 2016 – Apr 2017
- Analyzing the concepts of parsing sentences, part of speech tagging and statistical learning
- Employing the use of trigram statistical models to back-translate from Trinidad English to Standard English

Boston Housing Authority – Volunteer Interpreter Program Website *(Python, Django)*   Sept. – Dec. 2016
- Expanded on existing codebase, fixing operational database bugs
- Added a referral system, where a volunteer could refer someone to the BHA, and have the related stats linked to them

OTHER EXPERIENCE

Field Linguist, Trinidad & Tobago/USA   Jun. 2015 – Sept. 2015
Independent Research
- Created a sociolingustic survey to elicit dialectal differences within the Caribbean
- Elicited phonological, morphological, syntactic and lexicosemantic differences within and between the islands.

Database Designer/Analyst   Jan 2013 – Jun 2013
Trinidad and Tobago Association of Insurance and Financial Advisors
- Analyzed existing data-keeping, and created models for the relational database

INTERESTS

Fields:	Applied Computer Science; Natural Language Processing; Languages; Web Development
Arts:	Singing; Classical & Choral music; Marching Band choreography

AVAILABILITY: FROM MAY/JUNE 2018