DUANE R. SWIFT

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291 St. Botolph Street,
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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:	Artificial Intelligence, Software Development, Object-Oriented Design, Algorithms & Data, Theory of Computation, Logic & Computation, Linguistic Analysis, Syntax, Phonetics & Phonology, Psychology of Language
Honors:	University Scholars Program (Top < 1% of Entering Class)
Activities:	Resident Assistant, Choral Society, Youth Tutor
Community Service:	Northeastern Youth Development Initiative Program, Boston Partners in Education

COMPUTER KNOWLEDGE

Languages:	Proficient in: Java, Python; Familiar with: C, JavaScript, Racket, C++.
Operating Systems:	Windows, Android, Linux.
Frameworks:	Familiar with: Bootstrap, Django
Mini Projects:	Pacman AI (Python), Maze Game (Java), Personal Website (HTML/CSS/Bootstrap)

PROJECTS

TriniTranslate *(Java)*   July 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.

Boston Housing Authority - Volunteer Interpreter Program Website *(Python, Django)*   September 2016 – Present
- Expanded on existing codebase, ensuring existing functionality, fixing operational bugs
- Added a Referral System, where a volunteer could refer someone to the BHA, and have that referral be linked to them.

Music Reader/Editor/Player *(Java)*   October 2015 – December 2015
- Analyzed and developed a suitable model to parse pre-existing formatted text files
- Developed views and controller for the music player, to allow user modification

Laundry Management System *(C)*   September 2012 – March 2014
- Analyzed existing system & created a new system in C, which managed login information
- Kept track of customer records, created receipts, checked inventory

OTHER EXPERIENCE

Field Linguist, Trinidad & Tobago/USA   June 2015 – September 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.

INTERESTS

Fields:	Natural Language Processing; Computational Linguistics; Artificial Intelligence; Psycholinguistics; Languages
Arts:	Singing; Classical & Choral music; Marching Band choreography

REFERENCES TO BE FURNISHED UPON REQUEST