

Shammie Debnath

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EDUCATION

[University of Toronto, St. George](#)

2015 – Present (Expected: 2019)

B.Sc. Cognitive Science (Computational Cognition), major in French Language & Linguistics, minor in Linguistics

Relevant Coursework: Software Design (OOP), Theory of Computation, Data Structures and Algorithms, Software Tools and Systems Programming, Natural Language Computing, Artificial Intelligence, Statistics for Computer Science

SKILLS & PROFICIENCIES

Python, Java, C, HTML/CSS, JavaScript, SQL, Git, Bash, LaTeX, French

EXPERIENCE

[Software Test Engineer](#) @ Northcloud Inc. Toronto, ON

Aug 2017 – Sept 2017

Reviewed specifications and requirements for e-commerce site to write test cases. Authored 500+ functional test cases for desktop and mobile versions of e-commerce site. Created and ran smoke tests. Functional testing on various platforms based on the written test cases. Logged bugs (functional, UI) found through testing on various platforms. Triaged and verified all logged bugs from QA team, verified bugs fixed during QA cycles.

[Mathematics, Science, French Tutor](#) @ Tutor Doctor Brampton, ON

Apr 2016 – July 2017

Helped students of all grade levels with Ontario curriculum. Created lesson plans and wrote reports for each tutoring session outlining work, progress and areas for improvement.

PROJECTS

[Identifying political persuasion on Reddit](#) // Python

Feb 2018

Worked with Reddit corpus to do part-of-speech (PoS) tagging using spaCy, sentiment analysis, and machine learning with scikit-learn to identify political affiliations of posts. Extracting feature information of posts with NumPy, and learning models.

[Pacman Search](#) // Python

Feb 2018

Implemented search algorithms – DFS, BFS, uniform-cost, A* for Pacman to find paths through different maze scenarios. Designed non-trivial, admissible heuristics to optimize search problem scenarios.

[Personal Website](#) (in progress) // HTML, CSS

Present

[Tune the Page](#) // JavaScript, Python, HTML/CSS

Jan 2018

Used indico's sentiment analysis API to analyze text and match its output to a corresponding Spotify playlist while reading.

[Warehouse simulation](#) // Java

Apr 2017

Applied OOP concepts to create a simulation of events that occur in a car fascia warehouse, the system reads in orders and warehouse information. Reading and writing to files, created JUnit tests, used git version control.

[Sitescrubber Chrome Extension](#) // JavaScript

Nov 2016

Chrome extension that replaces inappropriate terms with less offensive ones to make websites more user friendly. Available on the chrome webstore for public use. Won 3rd best hack and best hack against online harassment at LadyHacks 2016.

AWARDS

[Best Domain Name](#) @ DeltaHacks IV

[Best Hack Against Online Harassment](#) @ UofTHacks IV

[3rd Best Hack & Best Hacks Against Online Harassment](#)

@ LadyHacks

[International Baccalaureate Diploma, Cum Laude](#)

@ Turner Fenton Secondary School, Brampton ON

ACTIVITIES

[DeltaHacks IV](#) – McMaster University Jan 2018

[UofTHacks V](#) – University of Toronto Jan 2018

[Skule Engineering Choir](#) – University of Toronto '17 - '18

[UofTHacks IV](#) – University of Toronto Jan 2017

[LadyHacks](#) – York University Nov 2016