

## ZEINA MIGEED

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### Education

**Northeastern University, Boston, MA** **2013 – 2017**

- College of Computer and Information Science
- GPA: 3.48/4.0

**American University in Cairo, Cairo, Egypt** **2011 – 2013**

- School of Sciences and Engineering
- Honors: Dean's List

### Research Experience

**Research at Northeastern and Indiana University** **Jan. 2016 – Aug. 2017**

- Contribute to adding new language features to Reticulated Python 2.0, introducing union types and occurrence typing: <https://github.com/mvitousek/reticulated/tree/retic2.0>
- Work with Ben Greenman (Northeastern): Developing a method for evaluating the performance of reticulated python: <https://github.com/mvitousek/reticulated>

### Projects

- CEK Machine: A Python implementation of an evaluator using small-step semantics [https://github.com/migeed-z/small\\_step\\_interpreter](https://github.com/migeed-z/small_step_interpreter)
- Behavioral Economics Simulation: A Python simulation of the interaction of individuals, represented via finite-state automaton [https://github.com/migeed-z/sample\\_fsm\\_python](https://github.com/migeed-z/sample_fsm_python)
- Lisp Interpreter: A Python implementation of an evaluator for a higher-order subset of Racket [https://github.com/migeed-z/Lisp\\_interpreter](https://github.com/migeed-z/Lisp_interpreter)

### Teaching Experience

**Computer Science Tutor, Northeastern University, Boston MA** **Aug. 2015 – Sept. 2016**

- Logic and Computation
- Fundamentals of Computer Science I

### Industry Experience

**Quality Assurance Engineer, OneCloud Software, Boston MA** **Jan. 2015 – Aug. 2015**

- Implemented enterprise Disaster Recovery Solution in VMware and AWS cloud
- Tested VM replication and protection to the cloud using OCS Recovery
- Developed and maintained UI Automation tests and wrote API client tests

### Programming Skills

- Languages/Highly comfortable: Python Others: Functional Racket, Java, ACL2, HTML, CSS
- IDEs: IntelliJ IDEA, DrRacket, Eclipse, Visual studio, Emacs