

Toby Au

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Education

CUNY Hunter College | Bachelor's Degree expected in 2020

- Major: Computer Science
- Minor: Mathematics

Projects

Free Wifi Hotspot Locator | *HTML · CSS · Javascript* | April 2018

Link: <https://github.com/tobyau/CUNY-Hack-2018>

- Member of a three-man team with fellow Hunter students to develop a Wifi locating website for a Hackathon competition.
- Utilizes NYC Open Data and Google Maps API to help users locate WiFi hotspots near them.

Hashing_RainbowTable | *Python* | March 2017

Link: https://github.com/tobyau/Hashing_RainbowTable

- Given two text files containing default passwords and hash values for those passwords, the algorithm generates hash tables for each text file and goes through a series of 12 tests to see if the generated hash values reveal similar passwords.

Maze_Runner | *C++* | October 2016 | https://github.com/tobyau/Maze_Runner

- Commands an Arduino robot to maneuver through a static maze with two roadblocks that occur at any given time.
- Sensors on all four sides of the robot help adjust its trajectory and stops collisions.

Experience

Gotham Auto Collision | June - August 2017

- Managed customer transactions and company emails.
- Provided technical assistance with installing computers and Microsoft Office.

Children of the City | June - August 2015

- Tutored fourth and fifth graders in mathematics and literature.

Honwa Learning Center | June - August 2014

- Tutored third graders in mathematics and literature.

Leadership & Skills

- Member of the National Honors Society at Staten Island Technical High School
- Familiar with: Python · HTML · CSS · Git · Bootstrap · C++