



Wesley Wei Qian

617-637-5934 weschin@brandeis.edu MB1204, 415 South St. Brandeis University | Waltham, MA 02453

Education

Brandeis University | Waltham, MA

Bachelor of Science in Computer Science and Neuroscience

SEP 2013-PRESENT

Dean's List Awarded

FALL 2013, SPRING 2014, FALL 2014, SPRING 2015

GPA

3.9/4.0

Experience

MACHINE LEARNING SUMMER RESEARCH INTERN | BRANDEIS UNIVERSITY

MAY 2015-PRESENT

- ▶ Conduct interdisciplinary research in computer science and neuroscience and investigate different methodologies of different neurons using machine learning technique to analyze 3D images of neurons
- ▶ Tackle the long-known NP-complete graph matching problem with a graduated assignment algorithm implemented in MATLAB
- ▶ Implement a probabilistic parametric model to automatically generalize spatial pattern similarity from sample attributed relational graphs(ARGs) and detect similar spatial pattern on new ARGs using such model using MATLAB

GOOGLE CODEU PARTICIPANT | MOUNTAIN VIEW, CA

MAR 2015-PRESENT

- ▶ CodeU is an exclusive development program for high potential freshman and sophomore students to strengthen their skills.
- ▶ Develop an Android application in group using Java and present our project at the CodeU Summit, an all-expense-paid trip to Google in the summer of 2015.

UNDERGRADUATE TEACHING ASSISTANT | BRANDEIS UNIVERSITY

SEP 2014-PRESENT

- ▶ Selected by the instructors to grade assignments and exams for intro and advanced Java courses
- ▶ Hold office hours for students of introductory computer science course

PHOTOGRAPHER | HARVARD SEED

NOV 2013-SEP 2014

- ▶ Member of Harvard SEED on Citizenship and Social Innovation
- ▶ Create photo-based magazine project; take and edit photos for events

RACIAL MINORITY SENATOR | BRANDEIS UNIVERSITY

SEP 2013-MAY 2014

- ▶ Elected to represent racial minority students (50% student body) in the Student Union
- ▶ Create videos showing differences in cultures and hold poetry slam in social justice
- ▶ Implement sustainability initiatives in dining halls campus-wide.

Projects I

KAGGLE: RESTAURANT REVENUE PREDICTION | BRANDEIS UNIVERSITY

APRIL 2015-APRIL 2015

- ▶ Predict restaurant revenue for TFI, the company behind some of the world's most well-known brands including Burger King and compete with other data scientist on Kaggle
- ▶ **Rank 38th (<2%) among 2257 teams from all over the world**
- ▶ Github project: <https://github.com/WesleyC/RestaurantRevenuePrediction>

JEEVES | BRANDEIS UNIVERSITY

JUL 2014-AUG 2014

- ▶ Create Jeeves, an Android voice-powered virtual assistant for everyday routines. Jeeves focuses on natural, conversational dialogue so the user doesn't have to use restricted commands
- ▶ **Runner-Up of AVIOS Mobile Speech Application Contest 2015**
- ▶ Crafted with JavaScript, HTML, CSS, open source API and PhoneGap for application compiling
- ▶ Github project: <https://github.com/arikalfus/Jeeves>

Projects II

IMAGE EDITOR | BRANDEIS UNIVERSITY

JUL 2014-JAN 2015

- ▶ Design an image editor in terminal interface written in Java with functions including flipping and cropping image, inverting and replacing color, and adjusting brightness
- ▶ Crafted with Java and its build in image processing library
- ▶ Github project: <https://github.com/WesleyC/ImageEditor>

KNIGHTLIFE | BRANDEIS UNIVERSITY

SEP 2014-DEC 2014

- ▶ Build a young adult-focused Android tool to help friends stay in contact at social events and nighttime gatherings. Designed to ensure safety and facilitate group communication
- ▶ Crafted with JavaScript, HTML, CSS for fronted end, Node.js for back end, MongoDB for database and PhoneGap for application compiling
- ▶ Github project: <https://github.com/arikalfus/OperationNightlife>

PERFECT TIC-TAC-TOE PLAYER | BRANDEIS UNIVERSITY

MAY 2015-MAY 2015

- ▶ Implement a Tic-Tac-Toe game and a perfect player who will never loose
- ▶ Crafted with Python
- ▶ Github project: <https://github.com/WesleyC/TicTacToe>

Skills

Programming skills in Java, Python, MATLAB , C ,JavaScript, HTML, CSS and **proficient with** Node.js, AngularJS, MongoDB. **Experience in** MATLAB statistical machine learning and neuron modeling, Speech Recognition Grammar(GRXML) and Spoken Dialog Design. **Native in** Mandarine and Cantonese. **Enjoy** photography and **familiar with** Aperture, Photoshop and Lightroom.