

# Vivian Gunawan

Boston, MA, 02215

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## Education

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Boston University Sep 2017 - anticipated May 2021  
Bachelor of Arts and Master of Science in Computer Science  
Bachelor of Arts in Neuroscience  
Cumulative GPA:3.38/4.00    Computer Science GPA: 3.66/4.00    Neuroscience GPA:3.48/4.00

## Honors

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Presidential Scholarship in Boston University (3% of incoming freshman class)  
Boston University College of Arts and Sciences Dean's List; Spring 2018, Spring 2019

## Projects

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- Air-writing Summer 2019
- Convolutional neural network embedded tracker that predicts what character the tracked strokes represent.
  - Built with Python, OpenCV and PyTorch
- FoodFriends Spring 2019
- Web application using Facebook Oauth and Yelp API allowing user to conveniently invite friends to dine
  - Built with Python, Flask framework, Jinja2 template engine and SQLAlchemy relational algebra engine.
- Wink BostonHacks 2018
- Detects all the faces in a camera feed and takes a picture when everyone's eyes is open.
  - Built with Python, OpenCV and Dlib facial feature detectors.

## Experience

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- Departmental CS Ambassador Sep 2019 - Now
- Propose, coordinate, advertise, and execute regular seminars and workshops for undergraduate students.
  - Help recruit for ad-hoc administrative events or meetings that require student feedback or a student voice.
- Grader Sep 2018 - Dec 2018, Sep 2019 - Now
- Grade homework and labs for probability in computing in Boston University.
- AI4ALL Coordinator Jun 2019- Aug 2019
- Learning and conducting research in AI, and developing hands-on projects for the AI4ALL students.
  - Develop curriculum, conduct lectures and programming lab.

## Student Organizations

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- ACM Women Chapter at BU, Mentoring Chair Fall 2019 - Present
- Build a professional community for graduate and undergraduate students and facilitate female-led workshops.
- Upsilon Pi Epsilon, Vice-President (Spring 2019), Member of Beta Class Oct 2018 - Present
- Honor society dedicated to promoting excellence in technical and computing disciplines.
- Ignite Student Council Jan 2019 - May 2019
- Advisory body to BU Spark! an initiative to support student-driven innovation in computer science and engineering.
- PERMIAS Massachusetts, Member of the Scholars team Mar 2018 - Mar 2019
- Non-profit student-run organization of Indonesian students in the state of Massachusetts

## Skills

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Technical Skills  
Proficient in:  
Python, MATLAB, HTML, CSS, Bash,  $\LaTeX$   
Familiar with:  
Java, C, Haskell, x86 assembly  
Languages  
English, Bahasa Indonesia, Mandarin Chinese

## Selected Coursework

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- Introduction to Analysis of Algorithms
- Linear Algebra, Multivariate Calculus, Abstract Algebra, Probability Theory
- Computer Systems
- Concepts of Programming Languages
- Machine Learning