

Shang Ke

343 Gold St #1602 Brooklyn, NY 11201 | +1 (917) 601-9783 | keshang@nyu.edu

EDUCATION

NEW YORK UNIVERSITY, COURANT INSTITUTE OF MATHEMATICAL SCIENCES

EXPECTED MAY 2020

- **B.A. Computer Science**
- GPA: 3.77/4.0 (CSE Dean's List)
- Relevant coursework: Data Structure and Algorithms(A), Object Oriented Programming(A), Data Analysis(A),
- Current coursework: Artificial Intelligence, Game Programming, Financial Information Systems, Risk Management in IT

PROJECTS

HackMIT 2018 IBM Watson AI Disaster Relief Challenge (Winner)

September 2018

- Coordinated a team of 4 and employed IBM Watson NLP tools that analyze live Twitter feeds to plot accurate natural disaster heatmap using location data and sentimental analysis through Python and SQLite
- Built Firebase Database that collects information on disaster victims using Watson Chatbot with Natural Languages while providing them advice for recovery efforts in preferred language
- Sorted the collected data into figures and graphs through Google Graph on custom website that help authorities prioritize manpower and resources

Clinton Foundation Codeathon 2018 (2nd place Winner as IBM Delegate)

October 2018

- Led a team of 5 to build a system that uses donations to subsidize reconstruction efforts post-disaster for financially-strapped victims based on location data matching
- Promoted small local businesses to contain cash flow in respective communities for long-term economic recovery goals
- Proposed blockchain solution to create a ledger of subsidized transactions for transparency and accountability to donors

NYU IVS AI SuperHack 2018 (3rd place Winner)

November 2018

- Led a team of 5 to build a Python Computer Vision solution that assists visually-impaired people on navigation and object/color identification
- Captured footage on webcam and analyze in real-time through Node.js server to provide audio feedback to user
- Trained Clarifai custom Machine Learning model to recognize objects, obstacles, humans, and traffic conditions

EXPERIENCE

Desktop Support Technician | NYU Elmer Holmes Bobst Library, New York

Feb 2018- Present

- Resolve technical difficulties and maintain system integrity of NYU's IT system
- Provide customer service to library patrons and staff

Non-Commissioned Officer | Singapore Armed Forces, Singapore

Feb 2015- Dec 2016

Military Rank: 3rd Sergeant / Combat Position: Armored Vehicle Commander & Reconnaissance Section Commander

- Commanded section of 7 soldiers to complete strike missions and track enemy positions using the Bionix Armored Vehicle
- Trained new soldiers on weaponry, military drills, and physical fitness
- Managed the day-to-day schedule of 108 soldiers
- Liaised with external departments to plan training courses and military deployment

SKILLS

Programming Languages: C++, Python, SQL, HTML, CSS, JavaScript, Node.JS

Foreign Languages: Chinese, Korean