Shang Ke

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EDUCATION

NEW YORK UNIVERSITY, COURANT INSTITUTE OF MATHEMATICAL SCIENCES   SEP 2017 - MAY 2020
· **B.A. Computer Science**
· GPA: 3.82/4.0 (Dean's List)
· Relevant coursework: Data Structure and Algorithms, Object Oriented Programming, Data Analysis, Artificial Intelligence, Game Programming, Discrete Mathematics, Digital Logic & State Machine Design, Financial Information Systems, Risk Management in IT
· Current coursework: Linear Algebra, Computer System Organization, Basic Algorithms

PROJECTS

HackMIT 2018 IBM Call for Code (1st Place Winner) | MIT   September 2018
· Used IBM Watson NPL to analyze live Twitter feeds to plot accurate natural disaster heatmap using location data and sentimental analysis through Python and SQLite
· Employed Watson Chatbot with communicate with victims using Natural Languages (English)
· Sorted 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) | Uni. of Chicago   October 2018
· Led a team of 5 to create 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) | NYU   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

Computer Vision Research Assistant | NYU Tandon School of Engineering, New York   Dec 2018- Present
· Configure and test different architectures of convoluted neural networks in Python to improve Computer Vision accuracy
· Identify and analyze neuron layer patterns as well as their associated efficiency and applications

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 gather enemy intelligence using various Armored Vehicles
· Trained and managed schedule of 108 soldiers
· Liaised with external departments to plan training courses and military deployment

SKILLS

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

Systems: Ubuntu, CentOS, AWS, Azure, Windows

Software: Microsoft Excel, GitHub

Foreign Languages: Chinese, Korean