

Shang Ke

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Education

NEW YORK UNIVERSITY, COURANT INSTITUTE OF MATHEMATICAL SCIENCES

M.S. Computer Science

SEP 2020 - MAY 2021

B.A. Computer Science with Mathematics Minor

SEP 2017 - SEP 2020

GPA: 3.7 | Dean's List

Relevant coursework: Operating Systems, Artificial Intelligence, Distributed Web Applications, Data Analysis, Financial Information Systems, Risk Management in IT, Cloud Computing, Computer Networking, Big Data Processing, Machine Learning Systems

Work Experience

SPLASH (SPLASHTHAT.COM)

MAY 2019 - AUG 2019

Event Marketing Software company serving Facebook, Amazon, Google, and other Fortune 500 firms

Implementation Intern

New York, NY

- Migrated clients' designs to new RSVP platform with more intuitive UI and features
- Integrated RSVP platform with Salesforce, Twitter, and Slack API through Zapier for greater client convenience
- Designed and coded Selenium Chrome bot with Python to automate testing of RSVP platform which caught four UI bugs while simulating client usage

NYU TANDON SCHOOL OF ENGINEERING

DEC 2018 - APR 2019

Computer Vision Research Assistant

Brooklyn, NY

- Wrote different architectures of convoluted neural networks from scratch in Python which improved Computer Vision accuracy of identifying handwritten numbers by up to 96%
- Analyzed neuron layer patterns and cut time to train models by 60% while maintaining similar accuracy

Military Leadership Experience

SINGAPORE ARMED FORCES

FEB 2015 - DEC 2016

Non-commissioned Officer | Military Rank: 3rd Sergeant | *Combat Position: Reconnaissance Commander*

- Trained and managed 108 soldiers in military drills, physical fitness, and overseas deployments and received the Best Unit Award from Brigade Colonel for best performance in the Brigade
- Commanded section of 7 soldiers to complete strike missions and gather enemy intelligence in foreign territory

Hackathons & Projects

HackMIT 2018 IBM Call for Code @ MIT

SEP 2018

1st Place Winner | Python, SQLite, Javascript, IBM Watson NLP API, Twitter API, Google Graph

- Designed Python Flask app which analyzed live Twitter feeds during Hurricane Florence to plot accurate disaster heatmap using location data and sentimental analysis with high similarity to FEMA estimations
- Worked in a team to build a Watson AI Chatbot to communicate with victims using typed English

Clinton Foundation Codeathon 2018 @ U. Chicago

OCT 2018

2nd Place Winner as IBM Delegate

- Utilized Blockchain to create a donation matching system that subsidizes local businesses after natural disasters

NYU IVS AI SuperHack 2018 @ NYU

NOV 2018

3rd Place Winner | Python, Node.js, Clarifai API

- Programmed Python Flask app that analyzes webcam footage to assist visually impaired people in navigation, object and color identification through audio feedback with latency below 0.3 seconds
- Trained Clarifai custom Machine Learning model with labeled images to reach object recognition accuracy of 87%

Automated Coffee Brewer | Node.js, IFTTT

MAY 2019

- Linked Google Home with coffeemaker through Raspberry Pi to brew coffee at requested time or with voice

Skills

Programming Languages: Python, C/C++, Java, SQL, HTML, CSS, JavaScript

Libraries: Node.js, Hadoop, Flask, Numpy, Selenium, Salesforce, Zapier, Docker

Systems & Tools: Ubuntu, CentOS, Windows, AWS, Azure, Git, Github

Foreign Languages: Chinese, Korean