

Shang Ke

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Education

NEW YORK UNIVERSITY, COURANT INSTITUTE OF MATHEMATICAL SCIENCES

SEP 2017 - MAY 2020

B.A. Computer Science with Mathematics Minor

New York, NY

GPA: 3.7 | Dean's List

Relevant coursework: Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, Artificial Intelligence, Large-scale Web Applications, Data Analysis, Financial Information Systems, Risk Management in IT

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

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 NPL 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, Flask, Numpy, Selenium, Salesforce, Zapier

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

Foreign Languages: Chinese, Korean