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, 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

NYU ELMER HOLMES BOBST LIBRARY   **FEB 2018 - PRESENT**

Desktop Support Lead Student Assistant   *New York*, NY

· Provide quick customer support in troubleshooting school's IT infrastructure while training new student hires

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

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, Clarifiai 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

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