

Jincheng Zhang

70 Morningside Dr 2710 Columbia Student Mail, New York, New York, 10027

(781)530-6034 jincheng.zhang@columbia.edu jczhang.com github.com/zhjch05

Education

Computer Science B.S. Brandeis University GPA 3.5 May 2017

Computer Science B.S. Columbia University in the City of New York May 2019

Linear Algebra, Multi-variable calculus, Probability & Statistics, Discrete Math, Structures and Interpretation of Computer Programs, Spoken Dialog Design, Web Development & Incubator, Data Structures, Computer Science Theory, Software Engineering, Operating System, Artificial Intelligence, Machine learning

Programming Skills Stack

Proficient: Java, Ruby, Python, Javascript, HTML5/CSS3

Prior Experience: C/C++ for algorithms, C#, Emacs Lisp, Scheme

Familiar with: Meteor.js, Ruby on Rails, Node.js. Can use: Angular 2, iOS cocoa, Bash, Git, Unix, Linux Apache, Nginx

Experience

Handwritten Math Expressions Recognition Spring 2017

Created a preprocessor and a classifier to recognize basic handwritten math expressions with Convolutional Neural Network in Tensorflow, and OpenCV. Team of 3.

Voice Control Chess Summer 2015

Designed a rule based NLP and Dialog System to move chess by voice

Created a PvP match feature with meteor's built-in socket based push data service

Html5/CSS3&Flexbox/JS/Meteor.js/MongoDB/Regex. Team of 3.

Duewiz - Homework Reminder Spring 2016

Web scraping School's education website to make due dates for homework manageable

Ruby on Rails 5: Action Cable (web socket), Active Job (asynchronous processing), redis cache

Web scraping with mechanize (CSS selector and XML XPath). Team of 4.

Cars Simulation at toll Spring 2017

A simple python MVC architecture to visualize/animate a cellular automaton model to simulate car streams traffic at toll. Python 3, MVC, matplotlib animation

Leadership and Teamwork

Team leader and major code contributor in computer science projects.

Volunteer leader of tour guides of a former residence in Qing Dynasty. 2011-2014

Awards

Second Class in National Olympiad in Informatics in Provinces C++, Algorithms Competition 2013

Youths Developers Seminar Hackathon first place iOS, Objective-C, AFNetworking 2014

First place in Computer Science Research & Study in High School Affiliated to Renmin University of China

Wrote a thesis on two-way conversion of code and its flowcharts (parsing C++) (GUI in C#) 2013