

WEIHAN LI

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EDUCATION

Bachelor of Mathematical Sciences at Carnegie Mellon University, Pittsburgh, PA	Aug.2017-Expected
Major in Discrete Math and Computation, Double Major in Computer Science, Minor in Human Computer Interaction	May. 2021
	GPA: 4.0/4.0
Early Development Program for Top Innovative Students at High School Affiliated to Renmin University of China, Beijing, China	Sept.2010-Jul.2017

COURSEWORK

Fundamentals of Programming and Computer Science	Mathematical Concepts and Proofs
Putnam Seminar	Vector Analysis
Matrices and Linear Transformations	Principles of Imperative Computation
Principles of Functional Programming	

EXPERIENCE

Software Engineer Intern at Microsoft STCA-Ads Team, Beijing	2018.5-2018.8
Analyzed correlation between data and through anomaly detection to build counter analysis tool, clustered data by description using Natural Language Processing and created web apps to visualize	
Helped build an auto-Direct Response Individual tool	

PROJECTS

Computer Science Related

A web app Smart Colors that gives fashion advice and color combination suggestions from the outfits captured in webcam	2018.7
My Personal Website designed and built independently	2018.5-Now
An app LogChat that is a chatroom for group work and can export nice formatting worklogs using Machine Learning, designed as a team in tartanhacks 2018	2018.2
A Star-Trek Style 3D Chess built independently, added AI algorithms to enable one-player mode and multiple features	2017.11

Design and Innovation

A Bike Safety Project	2016.7-2016.8
Researched on bike safety condition in St. Louis; designed a dodge man game to improve commuters' awareness of safety	
A Multifunctional Baby Chair	2015.9-2016.1
Improved the functions of baby chair by combining with baby walker; received a Utility Model Patent	
A Campus Walkthrough System	2015.9-2016.5
Led a team to make a campus walkthrough system mobile app of my high school based on Augmented Reality realized by SketchUp to present 3D models and Unity to build the AR environment	

SKILLS

Language Mandarin (Native), English
Programming C, Python, C++, HTML, CSS, JavaScript, Standard ML
Tools requests, Django, sqlite, pandas, numpy, jQuery, Panda 3D, Open CV, XML, git
Applications LaTeX, Markdown, Adobe Photoshop, Adobe InDesign, Google SketchUp, Unity

LINKS



ACTIVITIES

Putnam Competition 2017 Ranked 255 out of 4,638
Puzzle Hunt of Fundamentals of Programming and Computer Science(15112) Ranked 3rd
Big Straw Magazine Design Team Member Fall 2017-Now
MCS Dean's List Fall 2017, Spring 2018
W.E. School Magazine Editorial, Associate Chief Editor Fall 2015-Spring 2017