# WEIHAN LI

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## EDUCATION

**Bachelor of Science in Carnegie Mellon University, Pittsburgh, PA**                    2017.8-Expected

Major in Discrete Math and Computation, Double Major in Computer Science, Minor in Human Computer Interaction                    2021.5 · GPA: 4.0/4.0

**Early Development Program for Top Innovative Students at High School Affiliated to Renmin University of China, Beijing, China**                    2010.9-2017.7

## 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 anomaly detection to build counter analysis tool, clustered data by description using Natural Language Processing and created web apps to visualize

Developed an auto-Direct Response Individual tool

## PROJECTS

*Computer Science Related*

A **web app Smart Colors**, gives fashion advice and color combination suggestions from outfits captured in webcam                    2018.7

My **Personal Website** designed and built independently                    2018.5-Now

An **app** *LogChat*, 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**, 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 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 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

github.com/ReedyHarbour

linkedin.com/in/weihanl1/

## 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 2017.9-Now

**MCS Dean's List** Fall 2017, Spring 2018

**W.E. School Magazine Editorial,** Associate Chief Editor 2015.9-2017.3