

WEIHAN LI

weihan1@andrew.cmu.edu / (412) 452-6986 / <http://reedyharbour.me>
github.com/ReedyHarbour / linkedin.com/in/weihan1/

EDUCATION

Carnegie Mellon University, Pittsburgh, PA

05/2021

Bachelor of Science in Computer Science

GPA: 3.96/4.0

Bachelor of Science in Discrete Math and Computation

Dean's List, High Honors

Selected Coursework: Introduction to Computer Systems, Parallel and Sequential Data Structures and Algorithms, Principles of Functional Programming, Natural Language Processing, Great Ideas in Theoretical Computer Science

in Fall 2017-Now

EXPERIENCE

Google, San Francisco, CA | Software Engineer Intern, Chrome Operations Team

05/2019-08/2019

- Built Front-end features for Charts view at bugs.chromium.com, including support of arbitrary duration data and projection burndown to zero using Lit Elements
- Built Back-end features including multiline charts group by values and support of more search query keywords using Python and MySQL

Human Computer Interaction Institute, Carnegie Mellon University | Research Assistant

08/2018-05/2019

- Designed a defense-attack game featuring virus and defending bricks
- Built PC-functional prototype using PyGame and full version game using Unity engine

Microsoft, Beijing, China | Software Engineer Intern, STCA-Ads Team

05/2018-08/2018

- Analyzed correlation between data and conducted anomaly detection to build counter analysis module in an auto-Direct Response Individual tool using Python
- Clustered data by description using Natural Language Processing
- Built data structures using XML and created web app to visualize using jQuery

PROJECTS

Wiki Question-Answering System

09/2018-11/2018

- Conducted answering system given questions and wiki file using NLP algorithms
- Narrowed down to target sentence using tf-idf and cosine similarity
- Parsed sentence tree and left with most concise form using basic grammar

Web app Smart Colors

07/2018

- Compiled data to create database and constructed the Front-end and Back-end of the web app to give fashion and color combination suggestions using Django
- Cooperated on extracting data from internet using web scraping

Star-Trek Style 3D Chess

11/2017

- Built 3D interface and rotatable views and programmed 3D chess rules using Panda 3D
- Enabled one-player mode and best next move suggestions using AI algorithms

SKILLS

Language Mandarin (Native), English

Programming Python, C/C++, Standard ML, JavaScript, HTML/CSS, C#(intermediate), Java(basic)

Tools pandas, numpy, Panda 3D, Open CV,

XML, Django, jQuery

Applications LaTeX, Markdown, Unity, Adobe Photoshop, Adobe InDesign, Google SketchUp

HONORS

Virginia Tech Regional Mathematics Contest 2018 (North America) Ranked top 5%

William Lowell Putnam Mathematical Competition (North America) Ranked top 500 in 2017,2018