WEIHAN LI

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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: Algorithm Design and Analysis, Introduction to Computer Systems,   in Fall 2017-Now
Foundations of Programming Languages, Natural Language Processing, Constructive Logic

EXPERIENCE

Google, San Francisco, CA | Software Engineer Intern, Chrome Operations Team   05/2019-08/2019

- o Added front-end features for charts view for Chromium's issue tracker(bugs.chromium.com) in JavaScript using LitElement, caused 54% growth in unique charts users
- o Added back-end support for charts view and search query keywords using Python and MySQL
- o Built two ML models using TensorFlow 2.0

Human Computer Interaction Institute, Carnegie Mellon University | Research Assistant   08/2018-05/2019

- o Designed a defense-attack game featuring virus and defending bricks
- o 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

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

PROJECTS

Wiki Question-Answering System   09/2018-11/2018

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

Web app *Smart Colors*   07/2018

- o 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
- o Cooperated on extracting data from internet using web scraping

Star-Trek Style 3D Chess   11/2017

- o Built 3D interface and rotatable views and programmed 3D chess rules using Panda 3D
- o 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, SQL, Open CV, Django, jQuery, TensorFlow(intermediate)	**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