Chenghai Cao

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OBJECTIVE

EDUCATION

University of Massachusetts Lowell, **Kennedy College of Sciences** Lowell, MA
Bachelor of Science in Computer Science: GPA3.394/4.0 February 2021
Relevant coursework: Artificial Intelligence, GUI Programming, Data Mining, Database, OPL.

SKILLS

Programming Language: C, C++, Python, HTML, CSS, JavaScript, Assembly, Ada, Prolog, Haskell, Rust, Ruby
Operating System: Linux (Ubuntu), Mac OS, Windows, work with Raspberry Pi as well.
Software: Git, Emacs, Vim, Visual Studio, X Code, Axure, Microsoft Word, PowerPoint, Outlook, Microsoft Excel.
Language: Native written & spoken Mandarin, and fluent English.

EXPERIENCE

UMASS Lowell Chinese Student & Scholar Association Lowell, MA
Department Member September 2018 – September 2020

- Maintained and updated CSSA social medias, WeChat, Baidu post bar, chalked posters around campus and created online posts on major social media platforms.
- Held new student meet-and-greet to share my personal experience at UMass Lowell.

UMASS Lowell Chess Club Lowell, MA
Club Member September 2016 – February 2021

- Trying to help other players to improve their chess abilities by using online chess board training App.
- Collection of fundamental information on how people play board game and connection between AI and board games.

PROJECTS

Front-end web pages Build July - August 2020

- Using HTML and CSS to build a web page that contain a board game and further information.

Translation March - April 2020

- Using C and OCaml language to implement a complete compiler for the extended version of the calculator language, again with if and do/check statements

Abnormal Transaction Alert AI System January – March 2020

- Using Python language to produce a piece of software that be able to process a huge account of money transfer records, identify problematic records, and alert the hazard level
- It is an artificial intelligence software, through 298 pre-input features, intelligent analysis of the abnormal transfer situation

Comparing Languages January 2020

- Solved the Cartesian product in each of five different programing languages that Ada, Haskell, Rust, Python, Prolog, then compared the difficulty level and speed of each language

Logan Airport Simulation Project November 2019

- Used C++ language and SFML to complete simulated landings of multiple airplanes on multiple runways at Logan Airport

HOBBIES

Programming, Skiing, Chess, Drum (Jazz), Guitar(classic), Swimming, Photograph.