

Chenghai Cao

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EDUCATION

University of Massachusetts Lowell, Kennedy College of Sciences

Lowell, MA

Bachelor of Science in Computer Science: Honor: Cum Laude

February 2021

Relevant coursework: Artificial Intelligence, GUI Programming, Data Mining, Database, OPL, Microeconomics.

Northeastern University, Khoury College of Sciences

Boston, MA

Master of Science in Computer Science:

Will begin in Sept 2022

Professional goals: Data Science, Marketing.

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, Unity, Visual Studio, X Code, Axure, Microsoft office.

Language: Native written & spoken in Mandarin, and fluent written & spoken in English.

PROJECTS

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 programming 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

EXPERIENCE

Yipsen Electronics Co. Ltd

Henan, China

Technical Division Engineer assistant

April 2021 – September 2021

- Client and information security software development and maintenance, computer system network equipment. Data processing and consulting services.
- Promoted network equipment to customers and expand 463 clients in two months.

Luoyang Peony Research Institute

Henan, China

IT department and maintenance Intern

July 2019 – August 2019

- Designed and maintained the webpage of Luoyang Peony Research Institute. Fix hardware problems and built secured local area network for researchers to keep their data of peony extraction safe.

UMASS Lowell Chinese Student & Scholar Association

Lowell, MA

Department Member

September 2018 – September 2020

- Maintained and updated CSSA social medias, WeChat, online posts on major social media platforms.

HOBBIES

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