
SHAN CHEN

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Core Courses

Algorithm & Data Structure (91/100), Applied Algorithm (85.5/100),
Discrete Mathematics (97/100),
Graph Theory (85/100), Neural Computation (85/100),
Object-Oriented Software Design (86/100)
Probability & Statistics, Deep Learning (Stanford Online)
Algorithm and Decision Making (currently enrolled)
Formal Language and Automata Theory (currently enrolled)

Skills

- C++, Go
- Python, TensorFlow, Keras
- JavaScript, HTML5 & CSS, Node JS
- Matlab, R, SPSS

Education

- Expected in 06/2020
Northfield, MN
 - Bachelor of Arts in Mathematics & Japanese
 - St. Olaf College
 - Concentration in Linguistics
 - Dean's List
 - LUCE Initiative for Asian Studies and the Environment Fund
 - MAA-NCS Contest 10th, Konhauser Problemfest 4th
 - Activities: Member, Engineering Team, Head Event Organizer, Chinese Cultural Club
 - GPA 3.62/4.0
- Expected in 02/2020
Nagoya, Japan
 - Exchange Student
 - Nagoya University
 - 09/2019-02/2020
 - School of Engineering
 - Japanese National JASSO Scholarship

Experience

- 06/2018 - Current
St. Olaf College
Northfield, Minnesota
 - Linguistics Student Researcher
 - CURI student researcher for linguistics project about the willingness to communicate in second language education.
 - Conduct data analysis and synthesized data into a published paper.
 - Crawled Amazon.jp books' reviews and conduct analysis linguistics data for Ito, Ph.D. current linguistic research.
- 03/2019 - 08/2019
Kindles Game
Singapore, Remote
 - Developer Intern
 - Web development and B2B promotion operation in Mainland China.
 - Defined and conducted design processes at all stages, including research, conceptualization, testing and implementation.

08/2018 - 12/2018 Luce Initiative Asian Studies And The Environment Beijing, Tokyo	Individual Researcher <ul style="list-style-type: none"> Analyzed tap water quality among these three areas and integrated findings into a presentation & website.
06/2016 - 09/2016 SC Mobile Beijing, China	Web Editor <ul style="list-style-type: none"> Worked under Weifengke (Microsoft Contractor) daily update and maintain the website. Managed, edited, and updated social media posts and feedback. Located and removed bugs on the website.

Projects

St Olaf Events Organizer

A large group project in the C++ software design class. Create a solution to the problem that a student organization's events information cannot reach interested student groups.

Used QT, SQL, and OAuth API for development to develop the user interface and calendar functions.

- Create & login to your account (Authenticate by user and password).
- Create/Edit/Delete events information.
- Color code events.
- Log into your St Olaf Student account to spread your events information through Email.

Daiko Dorm Events Organizing Website

Full-stack responsive web development project using NodeJS, Express, MongoDB, RESTful routing and CRUD conventions.

I built this during my exchange program to solve a problem new international students were facing at Nagoya University. It allows students to privately organize events by posting their events and sharing information about the place, location, and price.

- Create & login to your account (Authenticate by user and password).
- Create/Edit/Delete events information.
- Add/Edit/Delete comments.
- Restrictions where only you can modify your comments and post pictures.

Computational Sociolinguistic Project on Celebrities Emoji Usages

Direct undergraduate research projects supervised by Ito Ph.D., crawled Japanese and American celebrities' tweets. Analyzed and compared usage across culture and compared the result to common users. Also, currently conducting sentiment analysis to predict emoji usage based on tweets by creating machine learning models such as Neural Networks, SVM and Linear Regression based on usages.

Publications

Zhou, Y., Xiao-Desai, Y., Shan, C., & Curry, A. L. (in press). The development of willingness to communicate in L2 Chinese writing - A longitudinal study. In F. Xiao (Ed.). Second Language Chinese Development. Lexington Books.

Languages

Chinese (Native), English (Native), Japanese (Limited Working N2), French (Limited Working)