

Daiwei (Dave) Chen

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SUMMARY OF QUALIFICATIONS

- Found an intuitive sense of love for computer science, and a thirst to learn more at a young age
- Able to pick up new concepts and apply them to practical purposes quickly
- Design and understand complex systems to create solutions to solve problems
- Experienced working collaboratively with small and large teams

EXPERIENCE

Software Engineering Intern

May 2020 - Aug 2020

Google - Remote

- Trained and applied tensorflow learning models to classify categories of sentences.
- Developed and implemented a new feature pipeline to highlight popular and trending locations for Google's Travel experience.

Engineering Practicum Intern

May 2019 - Aug 2019

Google - Mountain View, CA

- Optimized existing data pipeline to handle 14% of data without quality impact, pipeline speed increased by 6 times.
- Detected 20% of ads which caused loss of revenue to Dynamic Search Ads, which allowed the Data Science team to better prioritize projects.

Computer Science Intern

Aug 2016 - May 2017

Columbia College - Columbia, MO

- Learned major Computer Science concepts within Data Structures and Algorithms such as the "Observer and Visitor Pattern" and Big O of Sorting Algorithms.

EDUCATION

Bachelor of Science in Computer Science

May 2020

Northwest Missouri University, Maryville, MO

GPA: 3.72/4.0

- Multiagent Systems Research with Dr. Denise Case and her colleagues at Kansas State University.
- Car fob security research with Dr. Scott Bell. Identified and exploited vulnerable car fobs.

PROJECTS

Tetanus — Batch-GCD RSA Cracker

Fall 2019

- Implemented a security vulnerability toolkit written from scratch in Rust. Paper and analysis in LaTeX.

NEAT — Evolving Neural Network

Fall 2018

- C++ implementation from scratch based on the MIT Paper by Stanley and Miikkulainen.
- Algorithm for Generic Evolving Neural Networks through Augmenting Topologies.

EXTRA CURRICULAR ACTIVITIES

Cyber Defense Club

May 2017 - May 2020

- Top 1% National in Spring 2019 NCL Cybersecurity Competition
- 2nd in State CCDC Competition
- Vice President and Lab Director
- Setup and configured comprehensive lab environment for members to practice security skills