

Daiwei Chen

Software Engineering Student - Avid Learner

Just Dave is fine.
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EXPERIENCE

Google, Mountain View, CA — *Engineering Practicum Intern*

May 2019 - Aug 2019

- Large distributed computing to analyze TBs of data per minute.
- Optimized existing data pipeline to handle 14% of data without quality impact, which speed up the pipeline by 6 times faster.
- Detected 20% of ads which caused loss of revenue to Dynamic Search Ads. Allowing Data Science team to better prioritize projects.

Northwest Missouri University, Maryville, MO

Aug 2017 - Present

- Multiagent Systems Research with Dr. Denise Case.

Columbia College, Columbia, MO — *Intern*

2016 - 2017

- Learned major CS concepts within Data Structures and Algorithms such as the “Observer and Visitor Pattern” and Big O of Sorting Algorithms.
- Found an intuitive sense of love a thirst to learn more about everything within computer science.

EDUCATION

Northwest Missouri University, Maryville, MO — *Bachelor of Computer Science*

Aug 2017 - Present

- Expected Computer Science Bachelor's Degree in Dec. 2020
- Cumulative GPA of 3.87 / 4.00

PROJECTS

Tetanus — *Batch-GCD RSA Cracker*

- Implementation of security vulnerability toolkit written from scratch in Rust. Paper and analysis in LaTeX.

NEAT — *Evolving Neural Network*

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

SKILLS

Able to pick up new concepts and apply them to practical purposes quickly.

Working collaboratively using version control software in both small and very, very large teams.

Unit testing and continuous integration to ensure the quality and validity of code

Design and understand complex systems to create solutions to solve problems.

ACCOMPLISHMENTS

Top 1% National in Spring 2019 NCL Cybersecurity Competition

Active Club Organizer and Leader in Cyber Defense Club

Creator and Active Maintainer of CTF Competition Environment for Cyber Defense Club

LANGUAGES

C, C++, Rust, Python, Java, WebApps (HTML, CSS, JS), Assembly (ARM/x86), and Mandarin.