**Steven Chen**

# RESEARCH ASSISTANT

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# EXPERIENCES

April 2023 - Present

**Research Assistance,** *ODU Research Foundation*

Supervisor: Dr. Rui Ning

* Conducted machine learning research focused on enhancing data analysis and predictive modeling.
* Utilized Python programming for implementing and fine-tuning machine learning models, with a focus on neural networks.
* Managed and proceed large datasets to extract meaningful insights.
* Conducted comprehensive literature reviews, studying scholarly works in the field of machine learning.
* Conducted -in-depth research and analysis in the domain of memory efficiency optimization to enhance the operational performance of the model.

January 2024 – Present

**Cybersecurity Undergraduate Researcher,** COVA CCI.

Mentor: Dr. Rui Ning

* Complete an independent cybersecurity related research project and submitted a final paper and present research at a Student Research Showcase on April 19, 2024, 2:00-5:00 pm.
* Received $1,000 after successfully completing this program.

August 2023 – December 2023

**Digital Marketer,** 369 Group Inc.

* Leveraged artificial intelligence for video production.
* Employed AI technology to curate and repurpose TikTok content into unique creations.
* Developed a video download application and integrated facial recognition AI algorithms to facilitate real-time face manipulation in video.

# EDUCATIONS

August 2020 - Present

**Old Dominion University (ODU),** Computer Science (B.S.C.S. & M.S.), GPA:3.08

* Minor: Cybersecurity
* Dean’s List, Ping Pong Club.

Summer 2023

**DeapSECURE Summer Institute,** Advanced Computational Tool for Cybersecurity Research

* High-Performance Computing, Dealing with Big Data, Machine Learning, and Deep Learning

(Neural Network)

September 2018 – June 2019

**New Horizon Regional Education Center Programming Certification**

* The Virginia Department of Education and The Local School Division in Cooperation with New Horizon Career and Technical Education Center.
* Completed 540 hours of training in Computer Programming

# SKILLS

**Web:** SQL, PHP, HTML, CSS, Elasticsearch **Machine Learning:** Python **Complied:** C++, Java

**Operating System:** Linux **Others:** Model Training, Memory Efficiency, Neural Network

# PROJECTS

Old Dominion University, Fall 2023

**Web-based Digital Library Search Engine with Chatbot,** CS518 Web Programming

<https://github.com/schen012/CS518Project.git>

* The CS518Project is a web-based digital library search engine designed for electronic theses and dissertations (ETDs). The project aims to provide users with a user-friendly interface to search and explore ETDs indexed by Elasticsearch. Additionally, the system incorporates a chatbot feature that enables users to interactively inquire about the content of specific ETDs.