
YuXiang Liu

EDUCATION

Nanjing University of Posts and Telecommunications
B.E. in Electronic Information Engineering

Nanjing, China
September 2020 – June 2024

- Relevant Modules: Communication, Programming

Old Dominion University
Ph.D. in Engineering

Norfolk, USA
August 2025 – Present

- Relevant Modules: Deep Learning, Transportation Safety

EXPERIENCE

Equipment and Process Engineer
BOE Technology Group Co., Ltd.

Nanjing, China
June 2024 – October 2024

- Oversaw the maintenance, administration, and optimization of production line equipment to ensure operational efficiency.
- Performed comprehensive analyses of product defects to identify causes and enhance yield performance.
- Developed and implemented enhancements to process parameters for improved manufacturing outcomes.
- Evaluated and integrated advanced production equipment and raw materials, facilitating the seamless transition of innovative products from R&D to full-scale manufacturing.

Fall Intern
Jiangsu Broadcasting Corporation

Nanjing, China
September 2023 – January 2024

- Gained comprehensive knowledge of the end-to-end production process for broadcast programs, encompassing planning, conducting interviews, editing, and final broadcasting.
- Acquired proficiency in new media operations, including platform strategy development, content creation techniques, audience engagement methods, and strategies to enhance content visibility and exposure.

Project Leader
College Students' Innovation and Entrepreneurship Training Program

Nanjing, China
April 2022 – July 2023

- Proposed a gene-driven greedy caching algorithm (GDGCA) in a Multi-access Edge Computing (MEC) environment, leveraging Quality of Experience (QoE) metrics. Designed an optimization model incorporating throughput and satisfaction indicators to validate the theoretical algorithm.
- Led the initial topic selection, developed the theoretical framework, and conducted data analysis to support the project outcomes.

SKILLS & HONORS

Language: Fluent in English, Native in Chinese

Skills: C language, Python, Matlab, MS Office

Honor: University-level Excellence