Zhijing Xu

Tel.: +1 778-677-8068 | Email: zhijingxu@uvic.ca | Add.: 3800 Finnerty Rd, Victoria, BC V8P 5C2

EDUCATION BACKGROUND

University of Victoria   **Victoria, BC, Canada**   **09/2023–Present**
- **Master of Engineering,** Telecommunications & Information Security
- **Core courses:** Cyber System Security, Data Analysis and Pattern Recognition, Advanced Network Security etc.

Xi'an Jiaotong University   **Xi'an, Shaanxi, China**   **09/2014 – 06/2018**
- **Bachelor of Engineering**, Automation (Conferred)
- **GPA:** 3.71/4.0

TECHNICAL SKILLS

- **Programming:** Python, C++, Java.
- **Tool and Software**: Git, Visual Studio, PyCharm, IntelliJ IDEA
- **Operating System:** Windows, Linux
- **Profession Skills:** Teamwork, technical Writing
- **Communication:** English, Mandarin

WORK AND INTERNSHIPS

State Grid Corporation   China   Product Construction Management   08/2021 – 08/2022
- Wrote the detailed R&D plan, and evaluated the completion circle, the cost, and the feasibility of the project.
- Led State Grid APP development, contributing to the APP function improvement and version iteration.

Huawei Xi'an R&D Centre   China   Image Processing Algorithm Intern   06/2020 – 07/2020
- Designed an anchor-free pedestrian detection algorithm and utilized the OpenCV library with **Python.**
- Published "Anchor-free pedestrian detection model with semantic context of traffic scenario" as the first author

RESEARCH PROJECTS

Intelligent Vehicle Future Change   **09/2018 – 11/2018**
- Responsibility: Design algorithms for offline traffic scenarios detection with **Python**
- Publishment: "Anchor-free pedestrian detection model with semantic context of traffic scenario" was indexed by IEEE (CCHI2019)
- Award: The First-level Prize (CNY8,000, 12/2018)

PUBLICATIONS

- **Z. Xu,** Y. Huang, S. Chen, Z. Nan and N. Zheng, "Anchor-free pedestrian detection model with semantic context of traffic scenario", 2020 Chinese Automation Congress (CAC)
- Y. Huo, **Z. Xu**, S. Chen, Y. Chen, Y. Huang and N. Zheng, "SqueezeDet-Based Nighttime Traffic Light Detection with Filtering Rules", 2019 2nd China Symposium on Cognitive Computing and Hybrid Intelligence

INTERESTS AND ACTIVATIES

- Continuous Learner and Blogger: Maintain a tech blog to share insights, tutorials, and experiences,
- Swimming and Exercise Enthusiast: Passionate about swimming and dedicated to regular exercise

REFERENCES

Badong Chen   **PHD, Professor**   **College of Artificial Intelligence, XJTU**
Tel.: +86 18392892686 | Email: chenbd@mail.xjtu.edu.cn | Add.: West Xianning Road, Xi'an, Shaanxi, China

Xiaofeng Chen   **Electrical Engineer**   **State Grid Corporation of China**
Tel.: +86 15122895598 | Email: xiaofengcheng@163.com| Add.: Zhijing Road, Dongli District, Tianjin, China