BAOLIN YANG

nyk750@usask.ca | Phone (+1) 6394769668 | www.linkedin.com/in/baolin-yang

EDUCATION

University of Saskatchewan **Saskatoon, SK**
4th year of Bachelor of Science Honours, Computer Science (Software Engineering Option)
Cumulative Average: 88%

SKILLS

Programming Languages: Expert in Python, Java, C, C++, SQL, Scala, Prolog, C#, go
Software Development: Agile/Scrum methodologies, UI/UX design, cloud-based solution delivery
Development Tools: Master in Git (GitHub/GitLab), JIRA, Linux
Machine Learning Frameworks: PyTorch and TensorFlow Veteran

EXPERIENCES

Undergraduate Research Intern- AI-agents, code clone detection, scientific workflow system
University of saskatchewan | May 2025 – present, 4 month contract, ends in August

- Built AI-agent based bug localization using python, shell scripting, docker.
- Assisting in development of real-time AI-assisted code clone detection, VS code extension
- Leverage the usage of large language model in scientific workflow management system
- Research focus on applying large language models to existing technologies

Group Project-Dicom anonymizer | Jan2025-April 2025

- Collaborated with a team of 9 to develop a Dicom anonymizer for Luxsonic techologies
- Implement a progressive Web application using React, Javascript, docker.
- Use Jest and Playwright for testing frameworks to implement unit, integration, UI testing
- Use agile development, GitHub runners to apply the Best Practices in software development

Undergraduate Research Helper– Machine Learning
University of Saskatchewan | May 2024 – Jan 2025

- Assisting in developing machine learning algorithms for neural networks
- Conducted data preprocessing and statistical analysis for large datasets.
- Implemented advanced algorithms using PyTorch, Python, and C++.
- Use Git for version control and collaborative project management

Personal Project – Python-Based Circuit Verification Tool

December 2023 **–** May 2024

- Designed and developed a Python-based software tool to verify circuit design functionality
- Implemented object-oriented programming principles to create scalable, modular code
- Utilized Git for version control to ensure incremental development

Group Project-Budgeting App | September 2024-December2024

- Collaborated in a team of 5 to develop a budgeting app as class project
- Implemented a responsive web interface mainly using React native
- Integrated a firebase to store and manage user financial data efficiently
- Employed Agile methodologies and Git-based workflows to streamline development

Awards/Personal Strengths

- Recipient of entrance scholarship($2500), academic excellence award($3000)
- Dean’s honor list of academic year 2023-2024 and Member of Golden Key International Honour Society
- Fast learner, always Willing to Learn continuously seeking opportunities to learn new skills
- Language: English: Fluent (written and spoken) Chinese: Fluent (written and spoken)