

# WEI JIN

Software Engineer

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Personal Website: <https://www.weijin.ca>

Experienced software engineer with over 3 years of hands-on expertise in Java, C++ and JavaScript. Skilled in application and full stack development. Quick learner, independent problem solver and good partner.

## PROJECTS

### E-Commerce Website Project (Angular/Express/MongoDB)

June 2023 – August 2023

- Created user interface by Angular and integrated features like favorites, shopping cart, etc.
- Constructed application server to handle the business logic of the shopping website.
- Integrated MongoDB for data persistence.
- Using CI/CD tools to improve development efficiency.
- Verified website functionality by unit test cases.

### Stamping Forming Simulation System (C++)

June 2016 – March 2019

- Designed UI to meet interaction requirements.
- Extracted mesh data from 3D part surfaces.
- Collected simulation parameters through virtual assembly.
- Rendered analysis results onto 3D part surfaces.
- Increased analysis efficiency by 50% and reduced manufacturing costs by 30%.

## WORK EXPERIENCE

### Shanghai Volkswagen Automotive Co., Ltd, Shanghai, China

May 2012– March 2019

Analyst

- Assessed forming feasibility for new automotive programs, resulting in a 30% cost reduction.
- Created a precise simulation module predicting stamping die costs with 95% accuracy.
- Enhanced analysis efficiency by 50% through tailored simulation software plugins.
- Augmented precision by 30% by integrating material libraries into simulation applications.
- Headed new vehicle initiatives, driving a 50% efficiency enhancement in analysis processes.

## EDUCATION

### Vanier College Continuing Education, Montreal, Canada

October 2022 – December 2023

Full-time Student, Software Development

### Université du Québec, Montreal, Canada

August 2019 – January 2020

Full-time Student, French

### Huazhong University of Science and Technology, Hubei, China

September 2009 – March 2012

Master of Materials Process Engineering

### Tianjin University of Science and Technology, Tianjin, China

September 2005 - June 2009

Bachelor of Material Forming & Control Engineering

## SKILLS

- Java, C++, JavaScript/TS, React/Next.js, Tailwind CSS, Angular, NodeJS, C#, AWS, Git/GitHub, PHP, Laravel, MySQL, etc.