

Xuanyu Wang

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🐙 [xuanyuwang](https://github.com/xuanyuwang)

🌐 [xuanyu-wang](https://www.xuanyu-wang.com)

WORK EXPERIENCE

IBM, Cognos Analytics

Ottawa, Ontario, Canada

SOFTWARE DEVELOPER, SCRUM MASTER

July 2018 - current

- Upgraded the Conditional Formatting feature with TypeScript, React, and MobX to expand the legacy pop-up feature to a full-size functionality unit that provides fine controls to users.
- Developed the Serviceability feature to unify the performance metric of the data processing and visualization rendering across all teams, and shorten the steps of getting all needed diagnostic data to two clicks.
- Refactored rendering steps of the Crosstab widget by simplifying the DOM structure at a rate of > 50%
- Improved the quality of the product by fixing 300+ bugs at an above-average speed in a code-base of near-million lines-of-code size.
- Organized and facilitate the work of a squad of about 7 people size in the agile style as a scrum master.

The Pythian Group

Ottawa, Ontario, Canada

DATA SCIENCE CO-OP

Sep. 2017 - Dec. 2017

- Implemented Symbolic Aggregate Approximation (SAX), which is a parallel program and four times faster than existed ones.
- Created a set of analysis of vehicle GPS data for future use.
- Researched and implemented many multi-label neural networks.

EDUCATION

Dalhousie University

Halifax, Nova Scotia, Canada

MASTER OF APPLIED COMPUTER SCIENCE, GPA: 3.8/4.3

Sep. 2016 - May 2018

Concentration: Application and software development, data management and analysis.

Related Coursework: Mobile Computing, data warehouse and management, NLP.

University of Electronic Science and Technology of China (UESTC)

Sichuan, China

BACHELOR OF SCIENCE, GPA: 3.61/4.0

Sep. 2012 - July. 2016

Concentration: Computational electromagnetism, scientific computing.

Related Coursework: Courses about numerical computing, mathematics, physics, and electrical engineering.

SKILLS

Languages C/C++, Python, JavaScript, TypeScript, Java, Lisp, Go, HTML, CSS/Sass.

Environment Linux, CUDA, Mobile

Ecosystem React, jQuery, MobX, Redux, Angular, Vue, D3, Jest, Enzyme, Intern, Sinon, Electron, Express, Git

PROJECTS

Yonghe Online: www.yongheonline.com

Yonghe Culture

LEAD DEVELOPER: [HTTPS://GITHUB.COM/XUANYUWANG/YONGHE-ONLINE](https://github.com/xuanyuwang/yonghe-online)

2020

- Analyzed the needs of the website and composed the technology stack.
- Built the tool-chain of the project which enabled others to develop and build in a docker container.
- Automated the build process with Github Action.
- Set up Prismic as the content management system.
- Cached and pre-processed the image resources locally to speed up the loading time of the website by about 50 times.

Elyra AI Toolkit: <https://github.com/elyra-ai>

OPEN SOURCE CONTRIBUTOR

2021

- Contributed and maintained the documentation.
- Adding a feature that displays notifications when saving a code snippet.