



Ningyuan Xu

Year 3 Combined Major in Computer Science and Statistics, Bachelor + Master of Management

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Technical Skills

Programming: Java, TypeScript, JavaScript, C++, C, SQL, R, Python, Octave
 Tools/Environment: Git, GitHub, Perforce, Heroku, SAP BusinessObjects, Crystal Reports
 Testing: JUnit, Mocha, Chai, Jenkins, Travis CI
 Web: HTML, CSS, React/Redux, NodeJS, MongoDB

Work Experience

SAP Canada Inc., Vancouver (Software Test Developer) January 2020 – September 2020

- Performed regression, end-to-end and acceptance testing on SAP's BI products and trouble-shot over 50+ bugs/feature defects before they were delivered to customers
- Created, modified, and maintained automation chains using ASTEC and Jenkins on SAP Business Objects and Crystal Reports to ensure their patch upgrades had met the requirements
- Debugged and fixed errors in the automation test drivers and write Ruby scripts to run Jenkins automation
- Developed test cases, set up OpenStack/VMware VMs (Windows and Linux), and configured DB connections
- Validated bug fixes for customer incidents, facilitated cross-group collaboration with Shanghai and Paris teams and assisted the global delivery of software patches to meet strict release deadlines

Jiangsu Jiugao Electronic Technology Co., Ltd, Nanjing, China (Software Developer) July – September 2019

- Worked in a Chinese start-up company which developed chess games to simulate military training
- Used Java to write an application that could turn TXT files into tree-structure mind maps in XML formats
- Implemented a Python crawler to request web data and saved them automatically into Doc files

Personal & Academic Projects

UBC TANTAN (MERN Stack Social Networking App, TypeScript) May 2020 – August 2020

- Built a web app (in a team of four) that can create posts, add/search for/recommend friends, and chat with them
- Implemented the front end using React/Redux + TypeScript, jQuery and Passport.js (login/out and register)
- Connected the front end to backend using Express and Node.js, and set up MongoDB to store the data
- Deployed the web to Heroku, wrote unit tests in Mocha and Chai, and ran automated testing with Travis CI

Insight UBC (TypeScript) September 2019 – December 2019

- Completed the full-stack project with TypeScript which built a query engine for UBC courses and rooms
- Implemented the server side using RESTful API and tested the code thoroughly using Mocha and Chai
- Adopt agile scrum-based methodologies, and implemented a greedy algorithm to schedule course timetables

RateMyRestaurant for UBCers (Java, SQL) May – June 2019

- Applied Oracle JDBC database to build an application which could search for and rate restaurants
- Wrote different kinds of SQL queries, such as selection, projection, and table joins
- Drew ER diagram, wrote schemas and implemented the application using Java

Education & Awards

University of British Columbia September 2017 – December 2022 (expected)

- Combined Major in Computer Science and Statistics + Master of Management in Sauder School of Business
- UBC International Major Entrance Scholarship (\$ 64,000)
- UBC First-Year Dean's List

Coursera May 2019 – September 2019

- Machine Learning by Stanford University Certificate (Grade Achieved 100 %)
- HTML, CSS, and JavaScript for Web Developers by Johns Hopkins University (Grade Achieved 100 %)

Volunteer Activities

UBC Visual Cognition Lab (Research Assistant - Developer) April 2019 – December 2019

- Developed an independent web framework with JSPsych and D3.js, to test individuals' perceptions to correlation and numerosity
- Analyzed data using R and visualized them by Jupyter Notebook
- Ran experiments and invited people to participate in the study

Nanjing Boai Shelter, China (Social worker) September 2016 – September 2017

- Assisted people with Intellectual Disabilities by teaching them daily living skills
- Sold items they made to raise money for their treatments
- Organized and performed a show with them and collected tickets' fees as a donation for them