# ELAINE WEI

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## OBJECTIVE

I am a motivated individual with in-depth knowledge in software automation development, have great passions in problem solving and learning new skills.  Currently looking for more challenging software engineer opportunities in web development and Fintech areas.

## EDUCATION

09/2013 - 07/2018 **University of Toronto -** Honors Bachelor of Science.
Specialist in Computer Science. Minor in Cinema Studies

## PROFESSIONAL SKILLS

**Programming Language:** C#, Java, JavaScript, Python
**Web Technologies:** HTML, CSS, TypeScript, NodeJs, React, RestAPI, GraphQL
**Database Management:** SQL (Oracle, Microsoft SQL), MongoDB
**DevOps:** Docker, Kubernetes, Jenkins, Azure
**Automation:** Selenium, Puppeteer, Jest, Specflow

## WORK HISTORY

02/2020 – Current **Senior Software Developer in Test | Senior Test Engineer**
**Ceridian** – Toronto, ON
- Design, lead and implement maintainable automation framework which follows good OOP design pattern for in house regression testing on UI, DB and API using C#, Selenium and Specflow, which supports 6000 tests and runs on a daily basis.
- Develop new functionalities for testing complex integration tests including data mapping, third party validations, as well as triage challenging automation framework bugs.
- Lead a team of 10 people with different time zones. Provide training and technical solutions on writing automation tests, analyzing and maintaining scenarios with high efficiency.
- Interview junior candidates regularly to determine qualified developers to help the team grow.

09/2018 to 02/2020 **Test Automation Engineer**
**Paymentus** – Richmond Hill, ON
- Implement and develop a new testing framework for a cloud based Fintech solution software. Using NodeJs, Puppeteer framework and RestfulAPI to develop UI and API tests.
- Design and develop the data set up for automation framework in JavaScript and Python.
- Research and enable parallel run for automation. Optimize the total automation run time for the framework by analyzing the CPU Usage from Grafana and identify areas for optimizations. Reduced run time from 4 hours to less than 15 minutes in total.
- Implement and enable Slack integration with webhook to post automation results in the Slack channel for easy visibility on regression analysis for the whole company across different teams.

## PROJECTS

**React Real Time Weather App** | **Mobile Web Application**
Tech stack: Nodejs, React, HTML, CSS
**Canadian Median Employment Income Analysis for New Graduates** | **Data Science**
Tech stack: Python, Jupyter Notebook, HTML, CSS
**Mobile Learning Mobile App** | **UI/UX**

## EXTRACURRICULAR

Badminton (7 + years) | Yoga | Film (Recent favorite is *Don't Look Up*)
Chinese Lute (With Musical Level 8 Certificate Award)