

Jared Jasinski

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Kitchener, Ontario, Canada

Education

The University of Western Ontario, London, Ontario, Canada
Bachelor of Engineering Science, Electrical Engineering

Work Experience

Jr. Systems Designer – Nuclear - ATS Automation *Sept 2023 – Present*

- Develop custom programs to analyze data from high-stakes installation tools, applying techniques such as moving averages and filters to eliminate unwanted signals to ensure the precision of critical tooling
- Author extensive technical documentation including calculation reports, chemistry lists, FMEA, test plans, and test reports
- Collaborate with external stakeholders and engineers to refine and adjust projects based on detailed feedback to meet client standards
- Executed test plans with customers at client locations and company facilities to demonstrate that all tooling meets design requirements, conducting live demos of tooling functionality to ensure compliance.
- Consistently complete tasks ahead of schedule, optimizing resources and increasing project margins by reducing labor hours

QA Automation Analyst - J.D. Power *May 2023 – July 2023*

- Created and maintained a robust test suite using Playwright ensuring comprehensive coverage and reliability
- Integrated the automation system with robust CI/CD pipelines to enable seamless continuous testing and deployment, resulting in the efficient identification of bugs in new builds and expedited issue resolution

QA Automation Analyst Intern - J.D. Power *May 2021 – Aug 2022*

- Created automated dynamic test suites using the Serenity BDD framework for 2 upcoming North American car dealerships' APIs, ensuring that over 250 vehicle data points are correct
- Designed Stellantis Canada's test result uploading pipeline, that stores the results of over 20 APIs' test suites in a SQL database, allowing for more up-to-date results for over 4,000 tests
- Constructed and maintained a Grafana dashboard that displays stored performance metrics from the result uploading pipeline, giving visual aids on which services or test suites require maintenance

Engineering Projects

E-Ink Commodity Watchlist *Oct 2024*

- Used various APIs gather live price updates and deltas on various commodities
- Raspberry Pi Pico W to drive the e-ink screen to display the data

Chart Chat *April 2024*

- Developed and published a Chrome extension using React that creates a chat room for investors viewing the same currencies

Retro Gaming Handheld *August 2022*

- Used Fusion 360 to 3D model 6 input buttons, a directional pad, and electronic housing
- Programmed Raspberry Pi GPIO to be used in emulation software, using 3D printed buttons as inputs

16x16 Programmable LED Matrix *July 2021*

- Programmed an Arduino microcontroller to display eight different custom images on a 16x16 LED matrix controlled by a joystick
- 3D printed controller, display frames, and mounting mechanism using Solidworks

Microcontroller Door Lock *Apr 2021*

- Wrote multiple different lock functions in C, including timeout after too many incorrect attempts, and setting and changing an 8-digit passcode
- Utilized a series of 7-segment displays to show user inputs, warnings, and current lock state controlled by the ARM-DE1-SoC's 32-bit registers

Skills

Software: Solidworks, Fusion 360, Docker, LTSpice, Eagle, AI tools (ChatGPT, Claude, Copilot)

Languages: Java, TypeScript, JavaScript, Python, C, SQL, MATLAB, VBA