

# Jonathan Gift

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## WORK EXPERIENCE

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### Software Validation Engineer

*Intel Corporation*

**Jul. 2022 – Present**

*Hillsboro, OR*

- **Led Automation Team:** Increased automation test suite coverage fivefold, enhancing overall release quality.
- **Test Optimization:** Reduced average nightly and release test run time by 50%.
- **Infrastructure Expansion:** Introduced automation for previously untested areas, including:
  - Software and hardware power consumption
  - Power cycling, crash testing, stress testing, and overnight cycling
  - Fuzz testing and targeted security testing
- **Bug Resolution and Security:** Root caused numerous automation and product bugs; as the security validation lead, filed multiple high-priority CVEs pre-release and expedited resolution efforts.
- **CICD Transition:** Led transition from TeamCity to Jenkins, saving thousands in licensing costs by:
  - Implementing multi-configuration projects
  - Utilizing cloud agents and parallel pipelines
- **Zephyr Squad to Scale Transition:** Migrated over 5000 test cases from Zephyr Squad to Scale via their REST APIs, leveraging Postman and Python, saving our team tens of thousands of dollars.
- **Pipeline Re-Architecture:** Re-architected developer CICD pipeline, achieving:
  - Up to 53% reduction in product build times, up to 59% faster bug detection
  - Improvements included parallelizing Jenkins agents, optimizing Docker images, and conducting earlier unit and smoke tests
- **Power and Performance Validation:** Led power testing initiative:
  - Developed a standardized power testing process adopted by multiple business groups
  - Drove multiple critical power bugs to resolution ahead of customer release

### Lead Automation Engineer

*Team Cinder – Intel Contract*

**May 2022 – Jun. 2022**

*Hillsboro, OR*

- Managed validation and automation teams, coordinating the quarterly software release process.
- Filled coverage gaps in the testing suite, ensuring quality product development.

### Automation Engineer

**Jan. 2022 – May 2022**

- Automated tests, managed releases, and developed tools to increase automation coverage.
- Created test cases using C#, Gherkin, and SpecFlow, implemented through our TeamCity CI pipeline.

### Validation Engineer

**Aug. 2021 – Jan. 2022**

- Ran regression tests, identified defects, and maintained documentation to support the team.
- Collaborated with developer and validation teams to ensure comprehensive test coverage.

## EDUCATION

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### University of Idaho

**May 2021**

*B.S. Computer Science, Minor in Mathematics*

- Graduated *cum laude*, GPA 3.86

## SKILLS & INTERESTS

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- C# .NET, SpecFlow, Gherkin
- PowerShell, Python
- Test automation, validation, CICD