Daniel Spray

15030 S.E. 46ᵗʰ St. Bellevue, WA 98006 – dfspray1993@gmail.com - (425) 221-4848

Skills/Qualifications:

- Python / Java / JavaScript / Html / CSS – Wrote programs for various production and web applications. Experience with large data sets and network security protocols.
- MySQL / Microsoft SQL / SQLite – Setup and managed databases both locally and on cloud-based servers.
- Git / GitLab / GitHub – Version control and secure internal program installation from both the command line and IDE. Experience with CI/CD pipelines.
- Excel – Made templates for our team to create reports manually from various data sources
- SolidWorks / Inventor / CREO / AutoCAD – Built 2D / 3D models and prototyped designs using 3D printing

Education:

- University of Washington – Seattle, Washington – Bachelor of Science in Mechanical Engineering, 2017
- University of Washington Professional and Continuing Education – Certificate in Python Programming, 2019
- University of Washington Professional and Continuing Education – Certificate in Java Programming, Expected Completion: June 2020
- Bellevue College – Bellevue, Washington – Associate in Science, 2014
- Azusa Pacific University – Azusa, California – General Education Coursework, 2012

Relevant Elective Areas of Study:
- Python Programming; Java Programming; Statistics;

Experience:

The Boeing Company
Manufacturing Engineer – Renton, Washington – (August 2018 – Present)
- Member of the Airplane Captain Engineering team in final assembly of the 737
- Focal for the Visibility Tool application that prioritizes issues in the factory
- Wrote full stack web applications to log daily activity and provide metrics for team performance
- Deployed a JDBC query microservice using the Java/Maven/Spring framework using STS/Eclipse IDE
- Built programs in Python to analyze the downstream impact of issues in the factory
- Pulled large data sets from remote Boeing SQL servers through both ODBC and JDBC connections to build reports for my team
- Created Excel templates on several projects to help my team write reports
- Worked with mechanics, team leads and managers to perform root cause analysis on process failures in the factory

Johnson Controls
Application Engineer – Woodinville, Washington – (March 2018 – August 2018)
- Worked as part of the Engineering team assisting the sales team in the North West
- Built the full library of models and drawings for Johnson Controls' reciprocating compressor line using Autodesk Inventor
- Created a new part numbering scheme to release the library of parts through Johnson Controls' PDM system (Autodesk Vault)
- Transferred and translated Sabroe Denmark's drawings and models (from CREO Parametric to Autodesk Inventor) into our PDM system

Spacelabs Healthcare
Mechanical Engineering Intern – Snoqualmie, Washington – (November 2017 – March 2018)
- Interned with Spacelabs' research and development team in the medical device industry
- Gained experience in CAD modeling, product testing, 3D printing, and prototyping in a research and development environment.

Precor Incorporated
Mechanical Engineering Intern – Woodinville, Washington – (June 2016 – September 2016)
- Interned with the Queenax team in Precor's functional fitness department
- Primarily worked on CAD modeling in Solidworks, learning to create models and drawings in a professional environment