Peter Solfest

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(651) 325-8903
Clearance Level: Secret (Interim TS)

Summary

I am a software engineer with system modeling experience and interest/education in numerical methods, mathematicsm, and physics.

Professional Experience

- **Software Engineer** — Northrop Grumman
  GBSD — *Mar 2021 – present*
    - Roles: LETS Team Scrum Master, Jira Administrator, Software Developer

- **Mathematician** — Northrop Grumman
  SWAFS, Weather and Space Impacts Research and Development Center — *Feb 2017 – Mar 2021*
    - Roles: SWAFS Tech Lead, SWAFS Software Developer, Research Assistant

- **Engineering Scientist Associate** — Applied Research Laboratories, UT
  Space and Geophysics Laboratory — *Oct 2015 – Jan 2017*

- **Research Assistant** — University of Minnesota
  Dept. of Computer Science — *July 2014 – Mar 2015*

- **Calculus Instructor** — Michigan Tech Dept. of Mathematics
  Calculus 1 and 2 — *Jan 2013 – June 2014 (4 semesters)*

Professional Certifications

- **Caltech DevOps Post Graduate Program Certificate** — Caltech CTME
  cloud-native development and agile operations — *Nov 2020 - May 2021*

- **CSSLP (Member ID: 788005)** — $(ISC)^2$
  secure software throughout development lifecycle — *Oct 2020 – Sep 2023*

- **Model-Based Systems Engineering** — Caltech CTME
  SysML training and model creation — *2019*

- **System Engineering Fundamentals** — Caltech CTME
  Practical methods and tools for system engineering — *2019*

Education

- **Michigan Technological University** — Houghton, MI
  M.S. in Applied Mathematics; GPA: 4.00 — *Aug 2012 – June 2014*

- **Michigan Technological University** — Houghton, MI
  B.S. in Physics and Applied/Computational Mathematics; GPA:3.94 — *Aug 2008 – Apr 2012*

Software Skills

- **Practices:** Agile methodologies, unit testing, multi-language development, DevSecOps, Software Modeling

- **Tools:** Fortify, GitHub, git, Jenkins, JIRA, LaTeX, Linux, Make, MATLAB, Maven, mercurial, Neo4j, React.js, SharePoint, SonarQube

- **Languages:** BASH, C, C++, Fortran (Modern and 77), Java, JavaScript, Python, SysML, SQL

Achievements

- **NG IP trade secret awards** — MS IP Committee
  3 related to space and weather effects on communications — *2018-2019*

- **Outstanding Teaching Award** — Michigan Tech Dept. of Mathematics
  Graduate Level — *2014*