

# William H. Weiskopf, IV

91 Westland Avenue · Boston, Massachusetts, 02115 · United States of America

☎ (+1) 720-663-9455 | ✉ [william@weiskopf.me](mailto:william@weiskopf.me) | 📱 [dartagan](#) | 🌐 [whweiskopf](#)

*"If you want to build a ship, don't herd people together to collect wood and don't assign them tasks and work, but rather teach them to long for the endless immensity of the sea." -Antoine de Saint-Exupéry*

## Experience

### Oliver Wyman: Digital

Boston, Massachusetts

SENIOR SOFTWARE ENGINEER

October 2017 Present

- Containerization and CI/CD specialist: modifying a diverse group of ten-plus projects to build and deploy continuously as microservices.
- Introduced framework around Alembic to encourage migration-based database deployments, decreasing build times and eliminating down-time, with arbitrarily scaling full-CI/CD.
- Championed modularization of the organization's auth system as a drop-in solution for our legacy applications implemented it, picking up Express along the way.
- Spearheaded continual collection, tracking, and presentation of the consulting organization's projects and assets. Surfacing forgotten items, decreasing the Sustaining organization's seek time, and providing InfoSec auditability.

🔧 Python · Docker · Jenkins Pipelines · Rancher · Node.js (Express & Vue) · Flask · Alembic · MS SQL Server · PostgreSQL · GraphQL · Confluence

### Lockheed Martin: Space Systems

Littleton, Colorado

SOFTWARE ENGINEER ORION: NASA'S NEXT MANNED SPACECRAFT

September 2014 Present

- Principle architect in moving Orion ground software from pen and paper to full test automation, enhancing NASA requirement verification.
- Built a Python/LaTeX engine for creating NASA deliverables, cutting months of paperwork for engineers (per deliverable) to a day.
- Served as a subject matter expert for the flight software verification automation tiger team, sharing processes established while automating ground.
- Built a recursive-descent compiler for a templating language similar to Jinja2.
- Volunteered for Code Quest, Lockheed Martin's computer programming competition for high school teams.

🔧 Python · Pytest · LaTeX · Sphinx · Linux · Vim · Perforce · JIRA · Jenkins · Agile · Test-driven development · ELK (Elasticsearch, Logstash, Kibana)

### Air Sciences, Inc.

Golden, Colorado

NETWORK ADMINISTRATOR

November 2011 March 2014

- Purchased, set up, and maintained servers, laptops, and networks for a 50 person company.
- Introduced new processes such as a ticketing system, wiki, and KVM virtual machines providing continuity and a knowledge base.
- Interviewed and trained three new administrators utilizing the wiki to create reusable materials to accelerate the new hire process going forward.

🔧 Django · Git · Mediawiki · Network configuration · Linux administration · User support

### CSM Alumni Association

Golden, Colorado

SOFTWARE DEVELOPER

August 2010 April 2014

- Web Development: website design, web app, newsletter, graphics, audio, and video.

🔧 Django · Wordpress · PHP · HTML/CSS · Audacity audio editing · GIMP image manipulation · Web design

## Education

### Colorado School of Mines (CSM)

Golden, Colorado

B.S. IN ENGINEERING, MECHANICAL EMPHASIS

December 2013

- Computer Science and Economics minors
- NASA Lunabotics Competition: built a full-size regolith collecting robot and competed with international teams at the Kennedy Space Center.
- FIRST Robotics Competitions: Mentored high school students in engineering principles. Refereed Colorado regional competitions (FRC and FLL).

🔧 SolidWorks (FEA) · LabVIEW · C++ · Java · MATLAB · Python · Git · Arduino · Machine shop · Feedback controls

## Projects

### Containerized Server

2015 Present

Converted an Ubuntu server into Docker containers running on RancherOS, with very robust file-integrity protection.

🔧 Docker (RancherOS) · btrfs · UEFI · RAID · Samba · Mumble · Plex · Borg backup · Beets · NGINX · podbook · greg