

# Vaughan Schmidt

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## LINKS

[github.com/vschmidt94](https://github.com/vschmidt94)  
[gitlab.com/vschmidt94](https://gitlab.com/vschmidt94)

[www.linkedin.com/in/vaughanschmidt](https://www.linkedin.com/in/vaughanschmidt)

## SKILLS

### SOFTWARE DEVELOPMENT

Proficient:

Python • SQL • C

Familiar:

C++ • JavaScript • HTML • CSS • Bash

Exposed:

Angular • VB.net •

RPG IV (IBM Midrange)

## TOOLS

Vim • Visual Studio • Splunk

Git • Subversion • Jira

Doxygen • Sphinx • Jupyter

Docker • Kubernetes

## COURSEWORK

### GRADUATE

Information Technology and Project Management

Enterprise Computing and Systems Integration

Application Software Infrastructure

Object-Oriented Systems

Business Database Systems

Agile Management and Product Development

Applied Data Mining & Analytics

### UNDERGRADUATE

#### COMPUTER SCIENCE

Discrete Structures

Operating Systems

Computer Architecture and Assembly Language

Usability Engineering

Data Structures

Algorithms

Databases

Computer Networks

Web Development

Mobile & Cloud Development

## EXPERIENCE

### INTEL CORP. | SENIOR SOFTWARE ENGINEER - GRAPHICS AUTOMATION

August 2019 – Present | Folsom, CA

Engineer on GTAX team responsible for internal software solutions enabling world-wide mass execution of graphics driver across full suite of hardware platforms. Duties include rotations in end user technical engineering support, feature creation and maintenance, design, code review, and mentoring.

Project: Remote Interactive Labs

- Enable users anywhere to connect and control desired hardware distributed around the world

Project: Hardware Utilization and Power Metrics

- Backend for a management dashboard reporting utilization metrics for thousands of client platforms in geo-diverse labs.

Project: Reservation Management System

- Re-implementation of state machine responsible for controlling board-to-engineer assignments to maximize sharing of limited resources.

### GARMIN AT | SENIOR SOFTWARE ENGINEER - AVIATION

March 2015 – August 2019 | Salem, OR

Embedded systems developer on map library team responsible for implementing and improving features to support a variety of customer requirements.

- Develop certified code primarily in C, C++ and Python used as appropriate for tools and simulators.
- Ensure compliance with RTCA DO-178B by appropriate unit, module, and integration testing.

Project: Data-Oriented Map Engine, June 2017-Aug 2019

- Lead a team of 6 developers responsible for overhaul of map library across all aviation products.

Project: Weather Radar Visualization, 2016-2017

- Integrate new data elements from the GWX-80 weather radar system to enable geo-located display on the navigation map.

Role: Interim Lead Auditor / Quality Ambassador, October 2018-Aug 2019

- Perform root cause analysis and identify opportunities for continuous improvement across all business processes.
- May 2019: Achieved NSAI AS9100:D certification audit, Salem campus.
- Side project: Developed a Python / Django application to replace legacy MS Access tool used to track regulatory compliance.

## EDUCATION

### MASTER OF SCIENCE - BUSINESS ADMINISTRATION

#### COMPUTER INFORMATION SYSTEMS CONCENTRATION (MSBA-CIS)

2018 | Colorado State University, Fort Collins, CO

### BACHELOR OF SCIENCE - SOFTWARE ENGINEERING

2015 | Oregon State University, Corvallis, OR

### BACHELOR OF SCIENCE - MECHANICAL ENGINEERING

Clemson University, Clemson, SC

## CERTIFICATIONS

Project Management Professional (PMP)	Certificate 1372599	2010-Present
ITIL Foundations	Axelos ID 983307	2014-Present