

Vaughan Schmidt

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LINKS

github.com/vschmidt94
gitlab.com/vschmidt94

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. | SOFTWARE ENGINEER - GRAPHICS TESTING 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, and code review.

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 State Machine

- 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