# Karl Hendricks

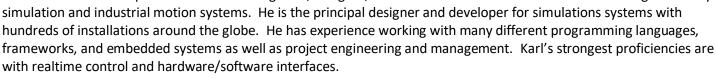
Software Engineering

Date: 18 Aug 2022

Revision: 2

## Summary of Qualifications

Karl Hendricks is an experienced software engineer, designer, and technical lead with over a decade working in military



### Skills and Proficiencies

Programming Languages: C++, C#, Java, Python, SQL

Frameworks and Platforms: Unity, .NET, Boost C++, Django, Red Hat Linux (realtime)

## Work Experience

#### Software Engineering Manager

ACME Worldwide Enterprises, Inc. 2013-2020 (Military Simulation, Motion)

- Returned to ACME as software manager, led design and implementation of all software projects
- Designed realtime monitoring and control software for hardware motion systems
- Designed a full gunnery training system, in use by USAF, using Unity and force-feedback gun replicas
- Provided on-site domestic and international technical support for delivered products
- Created extensive documentation for quality control and testing of integrated hardware/software systems

#### Software Engineer

Analytical Solutions, Inc. 2011-2013 (Destructive Physical Analysis)

- Worked on a software analysis tool for the reverse engineering of microchips
- Experience with computer vision, image processing, spatial databases, and TB-scale datasets
- Created various internal tools used to control and monitor destructive physical analysis equipment

#### Software Engineer

ACME Worldwide Enterprises, Inc. 2008-2011 (Military Simulation, Motion)

- Implemented low-level hardware interface code for an aerial refueling simulation trainer
- Designed an internal web-based procurement management tool and database backend
- Worked with numerous embedded Linux systems and motion controllers
- Designed motion control loops, motion tuning, and motion safety systems

#### Education

Bachelor of Science, Computer Science



