

Exhibit G

Contact

www.linkedin.com/in/michael-teitel
(LinkedIn)

Top Skills

Product Development

Automation

Manufacturing

Patents

Virtual image display device

Smart machine tool lubrication system

Hood-shaped support frame for a low cost virtual reality system

Virtual image display device

Low cost virtual reality system

Michael Teitel

Software Engineer / Manager
San Francisco Bay Area

Summary

Sr. Software and Development Engineer/Manager with diversified and progressive experience in software/firmware engineering, including all phases of the software lifecycle as part of key development projects. Acknowledged for leading and completing complex engineering tasks while providing supervision and technical direction over a team of up to 25 engineers for over 19 years. Responsible for all aspects of the software that runs over 200,000 mills and lathes worth over 12 billion dollars. Excellent communicator with ability to forge strong relationships among cross-functional teams within entrepreneurial and fast-paced, demanding environments. Recognized for completing engineering deliverables and services on time, and for meeting quality requirements while serving as a technical specialist and team leader. Demonstrated internal and external customer centric approach through close work with engineers, in-house procurement, Q/A staff and external suppliers to continually design solutions across multiple product lines while ensuring highest quality. Inventor on 17 US patents.

Real Time Embedded Systems

Mills Lathes

Pick and Place Robots

3D Printers

Drones

C / C++

Java

Swift

Python

FANUC/Haas G Code

Motion Control

Mechatronics

Graphical User Interfaces

Agile Software Development
Requirements Development
Full Software Development Lifecycle
ARM, Coldfire, Intel Processors
ISO-13849-1 and EU Machinery Directive compliance
UML
HTML / XML
SAP
Embedded Linux
Vision
OpenCV
Intel Realsense
Curl
JSON
Android
iOS
VRKit2
3D printing
ReprapFirmware
PLC
Embedded RTOS

Experience

AR Motion LLC
Principal
January 2018 - Present (4 years 2 months)
Contract Software Development

Client: FreshRealm

FreshRealm is a manufacturer of prepackaged meal kits for in store and on line purchase. They package meal kits sold by retailers such as Kroger, Publix, Weight Watchers.

This project adds automation to the packing lines. When fully deployed this will reduce the labor needed to pack the meal kits by 80% while improving the accuracy of the finished kits.

Adapted 3D printer to build low cost pick and place robot to pack meal kits.

Added functions to RepRapFirmware to communicate with ERP systems via CURL and JASON

Added functions to RepRapFirmware to communicate with vision system via CURL and JASON

Implemented embedded vision system using Intel Realsense D435 cameras running under linux on Udox x86 platform.

Vision system improved reduced pick retries from 60% to 15% for most classes of packages.

Client: Swellpro

Swellpro is a manufacturer of waterproof quadcopter drones

Evaluate PixHawk, Px4 to add lifeguard assist capability to quadcopter.

Haas Automation, Inc.

Software Development Manager

1998 - 2017 (19 years)

Haas Automation is the largest machine tool builder in the western world, manufacturing a complete line of CNC vertical machining centers, horizontal machining centers, CNC lathes, and rotary products.

SOFTWARE DEVELOPMENT MANAGER (2006-2017)

MANAGER NEW PRODUCTS SOFTWARE (2000-2006)

- Managed a team of up to 25 software and test engineers to produce the software that runs all of the company's mill and lathe products.
- Software includes operating system, real time motion control system, G Code program interpreter, PLC, user interface and firmware for various accessory microcontrollers.
- Inventor on 4 patents.
- Reports directly to VP of Electrical Engineering and company founder.
- Provided technical expertise, leadership, guidance, and mentoring to the product integration team and other engineers, technicians, interns and support staff.
- Responsible for all aspects of new software features involving conceptualization, development, production implementation and post-launch support in a cross-functional team environment.

• Key contributor to innovative new product development by performing project

- Interfaced with other members of project and program teams, management, mechanical and electrical engineering and technical staff to provide coordination of technical, schedule and cost solutions to team objectives.
- Key contributor to safety improvements which unified domestic and European machines safety functions.
- Interfaced with other members of project and program teams, management, and technical staff ensure regulatory compliance for CE and ISO 13849-1 safety standards.

SR. SOFTWARE ENGINEER (1998--2000)

- Designed and implemented software to run new machine accessories including the first smart bar feeder software in the industry.

Voxel

Sr Optical Engineer

1997 - 1998 (1 year)

Manufacturer of holographic printer for MRI and CAT scan images

SR. OPTICAL ENGINEER

- Designed optical systems and software for holographic display MRI and CAT scan images.
- Responsible for optical design verification of holographic printing machine for CAT and MRI images.
- Verification techniques included modeling the optics using Optical Research Associates (ORA) software,
- Designed and built hardware and software for a prototype holographic printer machine with 17 axes of motion.
- Produced holographic images from actual patient data on the prototype machine.

Haas Automation, Inc.

Senior Software Engineer

1997 - 1997 (less than a year)

Oxnard, Ca

CFC Applied Holographics

Optical Engineer

1993 - 1997 (4 years)

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