

# TONYA L. MORK

Engineer. Mentor. Advisor. Author. Leader. Educator.

Software | Engineering | Web Development | Program Management

Email [hello@hellofromtonya.com](mailto:hello@hellofromtonya.com)

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## HELLO

Hello, I'm Tonya.

I empower and accelerate web developers and software engineers (of all skill levels) to master this profession, grow, innovate, and prosper.

I'm an engineer, mentor, advisor, author, leader, and educator with over 3 decades of high-tech, proven experience and expertise.

My entire career has been focused on unlocking the potential in people, technology, teams, and companies

In this phase of my career, I'm focusing on giving back to help aspiring and professional developers do more, be better, be faster, and excel.

How can I help you achieve more?  
Let's talk.

## EXECUTIVE SUMMARY

- + Seasoned technology leader with 30 years of proven experience
- + Dynamic teams developer and leader, passionate about building happy, high performance teams
- + Client success focuser, aligning teams, processes, culture to deliver value-add
- + Performance champion and transformer
- + Sustainable grower
- + Knowledge giver through teaching, mentoring, writing, and speaking
- + Strategic technology conduit and chief collaborator
- + Technology initiatives champion with eyes on trends, budget, objectives, and culture
- + Complexity translator
- + Root cause seeker, complex problem solver, and risk accessor
- + Craftmanship, quality, and maintainability advocate
- + Kind, silly, and rarely without a smile on my face

## ACCOMPLISHMENTS

- + Started up, bootstrapped, and built my successful elite engineering consultancy firm with grossed \$5MM in sales per year.
- + Lead a \$60MM airbag capital project by serving as the front-facing client project manager and multi-disciplined team leader. Included \$20MM in change management.
- + Transformed an engineering department by streamlining build processes which reduced debug/start-up by 40%, onsite time by 80%, and costs by 45%.
- + Lead cross-departmental manufacturing initiatives which increased a client's production by 70%, decreased downtime, increased throughput, and decreased capital costs.
- + Transformed manufacturer from reactive to proactive via a web-based predictive analysis modeling system. This system provided an early warning, diagnostic guidance, and proactive planning tools.
- + Reduced maintainability costs by 30-60% through technology, processes, and software simplification and supporting infrastructure.

## TECHNOLOGY

Unlimited due to my vast experience with a plethora of technologies

- + PHP, .NET, VB, C#, JavaScript, HTML, CSS, Python, C, C++, SQL, and many proprietary languages.
- + Laravel, Symfony, WordPress, AngularJS
- + Robots, vision, assembly, instrumentation, testers, embedded system

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## LEADERSHIP & TECHNICAL EXPERIENCE

Founder. Educator. <i>Know the Code LLC</i>	2016-present	Know the Code educates and empowers professional WordPress developers to master web development and be capable of building anything in code. Our mission is to help each WordPress developer grow, innovate, reduce inefficiencies, and prosper in this profession.
Co-Founder. CTO. Project Manager <i>LunarWP</i>	2012-2015	LunarWP was a premier, global web-based digital solutions agency. We specialized in creating unique, custom, scalable solutions for small to medium sized businesses, non-profits, and universities. We build e-commerce, membership, private portals and intranets, and complete unique custom experiences based our clients' needs.
Executive Director. Founder. <i>International Hemiplegic Migraine Foundation</i>	2010-2013	The International Hemiplegic Migraine Foundation (IHMF) is a non-profit to serve those affected by Hemiplegic Migraines (HM) worldwide. HM is a rare neurological disease which in addition to migraines emulates temporary stroke symptoms including paralysis, memory, and seizures.
CEO. Founder. <i>Leader Controls &amp; Software LLC</i>	2002-2009	Elite electrical and software consultancy firm. Our team of six (6) Sr. Engineers aligned with our manufacturing clients to maximize their manufacturing processes, solve complex high-tech manufacturing problems, and streamline their internal technologies and teams. I served as Engineering Manager for several of our clients. A unique service we offered was mentoring and training technical apprentices for client vetting periods.
Engineering Manager <i>ACRO Automation Systems, Inc.</i>	2000-2002	I was recruited to organize, streamline, and improve the engineering processes and staff. As a staff manager, my responsibilities included strategic planning, staff development, staffing, skillset assessments, team building, cost reductions, scheduling, budgeting, forecasting, and policy generation and execution. I managed a team of twelve electrical and software engineers.
Controls Engineer. Project Manager. <i>Gilman Engineering</i>	1996-2000	Gilman Engineering was a major engineering and manufacturing company who specialized in large automated assembly and inspection systems for manufacturing companies. Our clients were the world's largest manufacturers and included aerospace, automotive, safety, food, and electronics. My responsibilities included engineering, team lead, and project management. I lead mega-million projects which included multi-disciplined technical teams.
Controls Engineer. Project Manager. <i>Wright Industries</i>	1991-1996	Wright Industries engineered and manufactured automated production solutions for companies in aerospace, automotive, safety, food, and electronics. My responsibilities were electrical engineering, pneumatic and hydraulic design, software engineering, project management, onsite installation and support, and training. Projects ranged from \$250K to \$12MM.

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## Controls Engineer

*IMTA*

1990-1991

IMTA designed and built automated robotic systems and end effectors for global manufacturers. My responsibilities included electrical and software engineering primarily for the Boeing 777 wing spar prototype dual robotic system.

## Controls Engineer

*Quantum Design*

1989-1990

Quantum provided electrical control panels and software solutions for automated manufacturing processes for customers. My responsibilities included electrical engineering, software engineering, onsite support, and training.

## Controls Technician

*USG Interiors*

1986-1989

The production facility underwent a major automation process in doubling their capacity. I apprenticed under a team of elite Software and Electrical Engineers during the build, installation, and ramp up process. Upon completion, I was the front-line person for keeping the automation processes functioning with an emphasis on the software platforms.

## Electronics Technician

*US Navy*

1984-1986

Due to my academic achievements and leadership skills, I was personally selected to enroll into the elite Electrical and Electronics program. I graduated first in my class in all levels of studies and each educational program. I was honorably discharged in 1986.



## EDUCATION

- US Naval Electricity and Electronics
- Blackhawk Technical College
- Cardinal Stritch University
- Missouri Valley College
- Various robotics, engineering, software, and controls certifications
- Engineering Mentoring & Apprenticeship



## MEMBERSHIPS

- PMI
- IEEE
- Society of Women Engineers



## PUBLICATIONS

- *Refactoring Tweaks: 7+ Easy Wins to Make Your Code Better & Increase Your Profits.* LeanPub, 2016.
- *Refactoring Tweaks Workbook: Code Challenges to Fine-Tune Your Refactoring Skills.* LeanPub, 2016.