DAVID PAGE

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PROFILE

Embedded systems developer and business leader who is passionate about building great products that are intuitive and satisfying, while yielding amazing value. Collaborates closely with stakeholders to conceptualize and successfully bring products to market on time and within budget. A strategist and project manager who enjoys remaining hands-on with technology to best support the team, the company, and the customer.

PROFESSIONAL HISTORY

PERATON [formerly NGC] — Wallops Island, VA   **July 2019 - March 2024**
Senior Principal Engineer GNC - Electrical, NASA Sounding Rocket Operations Contract
- Sounding rocket GNC mission formulation, design, testing, documentation, and operations
- Engineering in C, C++, MATLAB/Simulink, Python/SciPy, SPICE, OrCAD, VHDL, git
- Mentored electrical, software, and GNC engineers

DAVID PAGE CONSULTING   **1995 - Present**
Embedded Systems Consultant
- Quote and specify turnkey embedded systems projects to customer requirements
- Design system, hardware, logic, firmware, and PCB layouts. Assemble and test prototypes
- Develop supporting applications on MS Windows in C# and Python. Write documentation
  Key Electronics Design and Prototyping Results:
    ➢ Wireless capacitance gauge; hand-held precision signal source; Laser displacement sensor

DYNAMIC SYSTEMS INC — Poestenkill, NY   **2011 - 2017**
Chief Architect
- Developed long term strategy for next generation product control system design with projected annualized savings of $300k
- Managed team of three including: embedded systems designer, web developer, and test engineer
- Executed the lead technical role in company electronic and software projects, including: control electronics, firmware, real-time machine control software, calibration and servo valve tuning software, automated updater, field maintenance tool, and ticket tracking web application

MYHOME3D — Shanghai, China   **2008 - 2013**
Chief Technology Officer / Founder
- Developed requirements and technical specifications for web-based 3D home decoration service
- Established corporate IT infrastructure, technology standards and best practices
- Planned and scheduled projects in cooperation with marketing and sales teams
- Managed web and Windows application developers, as well as DBA and system administration

Technical And Design Skills

Hardware

Analog/Mixed Signal: Instrumentation & conditioning, filtering, ADC/DAC, RF Applications (IEEE 802.11 & 802.15.4), phase locked loops; *Power electronics:* IGBT & SCR control, power supplies. *Logic Design:* microcontrollers, memory, peripherals, USB, Ethernet, EtherCAT, CAN, PCI, ISA, TEDS (IEEE 1451.4), UART, SPI, I2C, PWM, quadrature encoders

Software

Languages: C++, C#, MATLAB; C; Python; VHDL, Verilog; Java, Assembler; Familiar with Javascript, SQL, Visual Basic, UNIX shell and tools; *DSP:* PID control, IIR/FIR filters, phase locked loop, synchronous detection

Platforms

Operating Systems: Windows, QNX RTOS, Real Time Linux, bare metal. *Software Tools:* Eclipse, Visual Studio, TI Code Composer Studio, MPLab, GNU, Atmel Studio; *Hardware Tools:* Xilinx, Altera, OrCAD, Eagle CAD, LTSpice *Applications:* MS Office, Google Docs, MatLab, Simulink, Microcal Origin, Mercurial, Git

Education And Certifications

Western Governors University — Salt Lake City, UT
Master of Business Administration (MBA) - January 2020

Western Governors University — Salt Lake City, UT
Bachelor of Science, Software Development - November 2017

Certificates
FAA: Flight Instructor - Airplane Single Engine Land, Instrument Airplane, Glider; Remote Pilot; LSRM-A/GL
FCC: Amateur Extra / Oracle Certified Professional: Java SE 8 / CompTIA: Project+