

## **WARREN (MAX) PEAK**

### **Education**

California Polytechnic State University, San Luis Obispo, CA 2008 **Master of Science in Industrial Engineering**  
California Polytechnic State University, San Luis Obispo, CA 2008 **Master of Business Administration, Eng Mgt**  
Park University, Kansas City, MO. 2005 **BS Computer Information Systems / Management**

### **13 to 15      PERSONAL PROJECT – CONSUMER PRODUCTS DEVELOPMEN      Auburn, CA      Principle**

Led team of five unique individuals to develop startup company providing innovative consumer products.

- Corporate structure and business development
- Intellectual property development: two patents pending
- Mechanical and electro-mechanical consumer product design
- Manufacturing process development
- Supply chain management
- Marketing strategy implementation

### **08 to 13      NORTHROP GRUMMAN CORP, ELECTRONIC SYSTEMS      Salt Lake City, UT**

Multi-discipline engineer assigned to Manufacturing Engineering Department  
Manufacture of navigation systems for DoD aerospace applications

I worked with a group whose main responsibility is the management of Printed Circuit Board manufacturing operations, system level assembly and testing.

Equipment types: Automated Optical Inspection systems, PNP robotic pcb assembly, PLC based conveyor sys, xray inspection, reflow / wave soldering machinery, ICT / bed of nails testing.

Responsibilities included day to day operations analysis and management, factory layout / workflow configuration, SPC / defect analysis, BOM and ECO management, mfg procedure development.

Aside from these standard duties, I was assigned to lead special projects to identify and address opportunities for continuous factory improvement with the application of automation technologies.

#### Examples:

Developed life extension plans for programs with obsolete test equipment using reverse engineering and redesign.

Developed RFID tracking system to track WIP through the manufacturing process using custom design of architecture, hardware, firmware, software.

Developed data capture, processing and presentation for factory automation and management dashboard systems.

### **06 to 08      GRADUATE SCHOOL / Northrop Grumman Internship**

Earned two graduate degrees from California Polytechnic University at San Luis Obispo, each with focus on Engineering Management. Managed teams of engineers to accomplish goals in diverse areas of engineering.

#### Examples:

Developed quick-change battery pack for electric commuter van allowing 900 lb pack to be changed robotically in about 3 minutes.

Head researcher at RFID Laboratory

Designed traffic simulation system for R&D to reduce collisions in congested areas

Invented a digital transformer technology for application in solar energy and battery systems

**98 to 05**

**PEAK ENGINEERING INC.** Miami, FL

Principle

Developed and marketed several commercial software packages. Managed all aspects of business from market research to delivered product.

Provided consulting services such as network design, installation, and administration. Managed datacenter based webservice cluster.

- Produced multimodal freight quoting and customer interface software to greatly reduce manual, paper-based business processes, saving customers up to 50% of their office salary budget.
- Provided California Charter Schools with automated student data system, reducing teacher time spent on record-keeping by up to 60%

**96 to 98**

**HOUSTON ASSOCIATES, INC.** (acquired by Raytheon) Kansas City, MO

Create software and administrate database for the Network Encryption System for the Defense Simulation Internet (a military/DOD Internet system ). Design software/configuration and administrate database for BBN, Wellfleet, Cisco router systems for the DSI. Handle customer service and troubleshooting of configuration and software related problems at customer sites and network nodes. Administrate Sun Microsystems (specialized) LAN/WAN. Develop various application and utility software.

**95 to 96**

**SOFTWARE SYNERGY, INC.**

Kansas City, MO

Consulting analyst

Developed financial tracking, operations, and database management software for H&R BLOCK, INC. for use in tax offices and district offices nationwide. Developed code modules for use in large freight tracking, resource, and database management software product for Yellow Freight, Inc. (C w/embedded SQL, Oracle DB, on PC clientserver/UNIX mainframe environment).

**89 to 95**

**COMPUTER SCIENCE CORP.**

Fort Hunter Liggett, CA.

Systems Engineer

Developed electronic hardware, firmware systems for US Army in a large scale battle simulation system using electronic technologies such as radio, laser, sensing, analog and digital signal processing, and virtual reality software systems.

Examples:

Laser targeting and sensing systems to simulate weapons fire from tanks, artillery, and aircraft.

Radio transponder systems to locate battle players in 3 dimensions in real time

RC aircraft imaging system to digitize terrain into virtual reality battle areas

**86 to 88**

**BENDIX/KING AVIONICS**

Olathe KS

Engineering technician

Test, repair and design analysis of military aircraft radio systems in a manufacturing environment.

**81 to 85**

**UNITED STATES AIR FORCE**

Offutt AFB Omaha, NE

Avionics Communication Specialist

T/S and repair of HF, VHF, UHF, mux/demux radio, aircraft interphone, AFSATCOM satellite communications system, etc. on EC-135 Looking Glass, E-4B Flying Command Post and RC-135 reconnaissance aircraft. Provided depot level maintenance of aircraft systems, wiring and system components. Security Clearance: Secret/SBI

**Certificates / Awards**

Six Sigma Green Belt certification

Cisco 4000 series router certification.

Nominee, 1993 Computer Science Corporation Award for Technical Excellence

(48 nominations from 18,000 employees annually) Nominated for the design of a burst transmission VHF radio.

Phi Theta Kappa – National Honor Society

Advanced Decommuration System and Serial Systems Analyzer Certification

(Military 1553 bus programming and packet radio analyzer) - Loral Instrumentation

FCC General Class Radiotelephone Operator's License - U.S. Government