

ANTHONY MACK

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OBJECTIVE

To design, document, implement and test complex algorithms, applications and/or large systems while being diligent, honest and happy.

SKILLS

C/C++	Eighteen years developing world-class system software for the Hitachi language department in Japan.
Java	Development of client/server, GUI, multi-threaded, event driven applications in Eclipse using solid Object Oriented Design patterns
Assembler	Ability to write extremely optimal machine code in Intel/AMD x86-64, Itanium, Power (IBM), Sparc (Sun), PA-RISC (HP) and IBM-370 Architectures.
OS	Linux, AIX, Solarus, Windows, Mac, Pick, VOS (Stratus) and VM (IBM)
Web	HTML, PERL, JavaScript, SQL and network programming
Hardware	Embedded processors (Arduino), analog and digital electronics

EXPERIENCE

12/1991–present Unitech Research, Inc. (Unitech.com) Irvine, CA
Senior Software Engineer/Project Leader

- Developed world-class compilers for Hitachi, Ltd in Japan. I specialize in code generation and optimizations, but have worked on all aspects from parsing to object file production.
- Designed and developed a performance GUI tool that can monitor thousands of threads running on hundreds of machines. It analyzes and reports problems using a custom, variable-density database and displays dozens of metrics collected by remote thin agents.
- Initiated, designed and was project leader for the COBOL XML connectivity project, COBGEN, XML parser with DOM & SAX, linker and many smaller projects.
- Conceived and promoted a new retargetable backend design used by multiple compilers.
- Designed and implemented the multi-thread code generation feature of our C++ compiler.

2/1990–11/1991 Stratus Computer, Inc. (Stratus.com) Lake Forest, CA
System Software Engineer

- Developed a fault-tolerant version of the PICK Operating System

01/1987–2/1990 The Ultimate Corporation Irvine, CA
System Software Engineer

- Ported the Ultimate (PICK) Operating System kernel to IBM mainframes.
- Wrote the dispatcher, scheduler and multiple device drivers in 370 assembler.

EDUCATION

University of California, Irvine
Bachelor of Science in Information and Computer Science.
Graduated September 1986 with an overall GPA 3.65 (3.9 in major)