

FREDERICK AKALIN

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Objective

To obtain a software development/design position in a technology-based company.

Skills

- Extensive programming knowledge and training in C, C++, Java, and x86/MIPS/SPARC assembly.
 - Moderate programming knowledge and training in LISP, ML, Python, and Perl.
 - Extensive web design and programming experience using ASP, PHP, and SQL (MS-SQL, MySQL, PostgreSQL, and Oracle).
 - Extensive experience with Windows family of operating systems (3.1x/MS-DOS 6.x, 9x, NT 4.0, 2000, XP).
 - Extensive experience with *nix family of operating systems (Linux, FreeBSD, OpenBSD, NetBSD, Solaris).
 - Experience with embedded processors and embedded system programming. (PIC)
 - Familiar with computer hardware and software in general.
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Education

9-00 to 6-04 Pursuing a B.S./M.S. in Computer Science with a concentration in Systems and a minor in Music.

Stanford University
Stanford, CA

Programming coursework:

- CS107: Programming Paradigms (C, C++, Java, LISP)
- CS99Q: Seminar on Open Source (C, x86 assembly)
- CS108: Object-Oriented Systems Design (Java)
- EE182: Computer Organization/Design (MIPS assembly)
- CS145: Databases (SQL)
- CS426: Genetic Algorithms (C, LISP)
- CS143: Compilers (C++, SPARC assembly)
- CS140: Operating Systems (C++)
- CS248: Graphics (C/C++ with OpenGL)

Theory coursework:

- CS103X: Discrete Structures
- CS154: Automata and Complexity Theory
- CS157: Logic and Automated Reasoning
- CS161: Data Structures and Algorithms
- CS221: Artificial Intelligence
- CS255: Cryptography
- CS242: Programming Languages
- LING238: Computational Linguistics
- CS240: Operating Systems (Advanced)
- CS243: Advanced Compiling Techniques
- CS249: Security Protocols
- CS540: Seminar on Computer Systems

Current major GPA:
3.9 / 4.0

Current overall GPA:
3.7 / 4.0

9-96 to 6-00 Graduated as valedictorian.

Kalani High School
Honolulu, HI

Final GPA: 4.1 / 4.0

Work Experience

9-03 to present

Web Developer

7-02 to 3-03

LOCKSS Project
Stanford, CA

- Developed internal web-based project management tools. (Based on Python, PHP and PostgreSQL)
- General system administration tasks.

6-03 to 9-03

Aisel Corporation
Tokyo, Japan

Software Developer/Tester

- Designed and built a prototype for a person detector system based on a PIC microcontroller.
- Carried out tests for a prototype PHS phone system.

11-01 to 1-02

Web Developer/Tester

6-01 to 9-01

- Redesigned web site for Select Staffing Services. (<http://www.selectstaffing.com>)

6-00 to 9-00

Computer Training Academy
Honolulu, HI

- Helped implement redesign of company web site. (<http://www.cta.net>)
 - Updated and maintained the web site of HiTechQuest 2000. (<http://www.hitechquest.com>)
- (All projects were based on ASP and MS SQL.)

8-01 to 9-01

Webmaster

9-99 to 6-00

Kalani High School
Honolulu, HI

- Designed, implemented and maintained the school web site. (<http://kalanihs.k12.hi.us>)
 - Created an administration tool to allow maintenance of the web site by the teachers and students.
- (All projects were based on ASP and MS SQL.)
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References provided upon request.