

Colin T. Sakamoto<http://www-scf.usc.edu/~csakamot/>**OBJECTIVE**

Seeking an internship in a growth oriented work environment.

EDUCATION**University of Southern California**

M.S. Biomedical Engineering (Medical Imaging and Imaging Informatics)
 B.S. Biomedical (Electrical) Engineering, Current GPA: 3.47

Expected Graduation: May 2011
Expected Graduation: May 2010

Mililani High School

Hawaii Board of Education Recognition High School Diploma, GPA: 3.8

Graduated: June 2006

SKILLS

Tools: Maple, Spice, Xilinx ISE, ePD, ModelSim, MATLAB, LabVIEW
Languages: C, Verilog HDL, MATLAB, ColdFire® Assembly / MIPS Assembly (basic)
Applications: MS Word, Excel, Access, PowerPoint
Platforms: Windows, UNIX, Macintosh OSX

ACADEMIC PROJECT EXPERIENCE**X-Ray Computed Tomography Simulation Project (BME-425)**

Fall 2008

- Simulated the following algorithms implemented with MATLAB
 - Simple Back Projection
 - Filtered Back Projection (multiple filters)
 - 2D Direct Fourier Method
 - Iterative Methods

Digital Circuits Design Projects (EE-201L)

Spring 2008

- Digital clock with settable time, alarm and timer; Chronograph (stopwatch).
- Compute greatest common denominator of two numbers from 0 to 255.
- Compute prime factorization of a number from 0 to 255.
- Control, Datapath and top level design implemented on FPGAs with Verilog HDL.
- Tested and debugged for functionality and number of clock cycles with ModelSim.

WORK EXPERIENCE**Naval Facilities Engineering Command Pacific**

Summer 2008

- Oversaw requests and issuing of base passes for Navy and Marine Corps PPV housing contractors.
- Compiled a database of housing units with lead hazards from XRF data reports.
- Reviewed billions of dollars worth of contracts with regards to local/small business incentive fee.
- Other administrative office automation.

McDonald's of Mililani

Summer 2006

- Monitored and maintained food safety and health issues.
- Operated the grill and production lines with speed, accuracy, and consistency.

ORGANIZATIONS**USC Thornton Concert Orchestra**

Spring 2007 – present

Alpha Lambda Delta (Honor Society)

2007 - present

HONORS & AWARDS**Dean's List, University of Southern California, Viterbi School of Engineering**

- Spring 2007
- Fall 2007

Eagle Scout Rank, Boy Scouts of America Troop 164 Mililani, HI**RELEVANT COURSEWORK**

EE201	Introduction to Digital Circuits	BME210	Biomedical Computer Simulation Methods
EE202	Linear Circuits	BME402	Control and Communication in the Nervous System
EE301	Introduction to Linear Systems	BME403	Physiological Systems
EE338	Physical Electronics	BME405	Senior Project: Measurements and Instrumentation
EE357	Basic Organization of Computer Systems	BME423	Statistical Methods in Biomedical Engineering
EE457	Computer Systems Organization	BME425	Basics of Biomedical Imaging