

Colin T. Sakamoto

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OBJECTIVE

Seeking a summer internship in a growth oriented work environment.

EDUCATION

B.S. Biomedical (Electrical) Engineering, Overall GPA: 3.55

University of Southern California

Expected Graduation: May 2010

Hawaii B.O.E. Summa Cum Laude Recognition High School Diploma, GPA: 3.8

Mililani High School

Graduation: June 2006

SKILLS

Tools: Maple, Spice, Xilinx ISE, ModelSim, MATLAB

Languages: C, Verilog HDL, MATLAB

Applications: MS Word, Excel, Access, PowerPoint

Platforms: Windows, UNIX

ACADEMIC PROJECT EXPERIENCE

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.
- Control, Datapath and top level design implemented on FPGAs with Verilog HDL.
- Tested, debugged, and optimized for functionality and efficiency with ModelSim.

Linear Circuits Design Projects (EE-202L)

Spring 2008

- Elementary airplane flap control circuit.
- Electric guitar circuitry: amplifier, filter, distortion, tuning.
- Implemented designs with breadboard circuitry

Biomedical Computer Simulations (BME-210)

Spring 2008

- Cardiac output, Receptor-Ligand kinetics, Computerized tomography, Pharmacokinetics, Spread of disease.
- Investigated novel techniques for solving the above problems.
- Implemented algorithmic simulations using MATLAB.

WORK EXPERIENCE

McDonald's of Mililani, Food Productions

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

- 2nd and 3rd Clarinet

Alpha Lambda Delta (Honor Society)

2007 - present

- Recently inducted member

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 (* denotes Fall 2008 registration)

EE 201L	Digital Circuits	BME 210	Computational Simulations in BME	Chem 105bL	General Chemistry II
EE 202L	Linear Circuits	*BME 423	Statistical Methods in BME	*Chem 322aL	Organic Chemistry I
*EE 301	Linear Systems	*BME 425	Medical Imaging	Bisc 220L	Cell Biology & Physiology
*EE 338	Physical Electronics	Phys 161L	Mechanics & Thermodynamics (Honors)	Writ 140	Writing & Critical Reasoning
Math 445	Advanced Engr. Math	Phys 162L	Electricity & Magnetism (Honors)		
CSci 101L	Fund. of Comp. Progr.	Phys 163L	Modern Physics & Optics(Honors)		