

WUN C. CHIOU, JR.

(Address censored for web version.
Please email me for more info.)

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EDUCATION

UCLA

Los Angeles, CA

M.S. Chemistry, June 2003. Theoretical physical chemistry emphasis. Thesis: *Structure and Stability of Fe₃C-Cementite Surfaces from First Principles*. Advisor: Prof. Emily A. Carter. 3.6 GPA

UC Berkeley

Berkeley, CA

B.S. Chemistry, with American Chemical Society certification, June 1998. Computer Science emphasis. Advisor: Prof. Martin Head-Gordon. 3.3 GPA.

EXPERIENCE

High Tech Los Angeles High School

Los Angeles, CA

Teacher

2004 – present

Instructed students in Chemistry, Environmental Science, Integrated Mathematics, Solar Car, and Web Programming. Designed and implemented many interdisciplinary projects for project-based learning.

Melie Bianco

Los Angeles, CA

Web Developer

Summer 2003

Designed and implemented catalog website for new handbag company using dynamic HTML and database programming. <http://www.meliebianco.com>

UCLA

Los Angeles, CA

Teaching Assistant

1999 – 2002

Served as a direct instructor for laboratory and discussion sections of the following classes: Chemical Energetics & Change, Chemical Structure, General & Organic Chemistry Lab I, Chemical Thermodyn.

Micro Lithography, Inc.

Sunnyvale, CA

Process Engineer

1998-1999

Developed and troubleshoot new and existing processes for pellicle manufacturing. Solvent theory, chemical safety and disposal, and critical cleaning methods were involved.

PUBLICATIONS AND ACHIEVEMENTS

“Structure and Stability of Fe₃C-Cementite Surfaces from First Principles.” *Surface Science*, Volume 530 (1-2), p88-100, April 2003.

“Density Functional Theory of Iron Carbide and Steel Surface Erosion Chemistry.” SCCAVS Leading Edge Student Symposium presentation, October 2, 2001.

- First in my UCLA class to pass 5/5 physical chemistry cumulative exams, Spring 2000.
- US Dept. of Ed. GAANN Fellowship, for first-year graduate achievement, June 2000.
- West Carrollton Sr. H.S., Ohio: Valedictorian, 4.0/4.0 GPA, and Scholar Athlete Award, male overall, June 1994.