

Susan Men

Irvine, CA (555) 555-555 SusanM@gmail.com

SUMMARY

- 7 years research experience focused on, but not limited to ceramic material systems.
- Proficient in materials design, fabrication and characterization of chemical, thermal & mechanical properties, using various techniques including SEM, TEM, XRD, AFM, hardness & compression test, etc.
- Strong communication and presentation skills developed through publications and teaching
- Experienced in partnering and collaborating with both academic and industry groups in order to close bridge the gap between research and its application to the community

EDUCATION

University of California, Irvine | **PhD, Materials Science and Engineering** July 20XX
University of California, Davis | **MS, Materials Science and Engineering** May 20XX
Beijing Institute of Technology | **BS, Materials Science and Engineering** May 20XX

SKILLS

Technical: Scanning Electron Microscopy (SEM), Energy-Dispersive X-Ray Spectroscopy (EDX), Electron Backscatter Diffraction (EBSD), Transmission Electron Microscopy (TEM), Focused-Ion-Beam (FIB)

Materials Synthesis: Direct Precipitation, Sol-Gel, Solid-State Reaction Routes

Computer: LabView, Adobe Photoshop, Adobe Illustrator, ImageJ, Igor, TRIM, Microsoft Office for data acquisition, data analysis, image processing, simulation, etc.

Languages: Fluent in oral and written Mandarin, Conversational Japanese

RESEARCH EXPERIENCE

Graduate Researcher, UC Irvine, September Aug. 20XX - Present

- Designed multiphase ceramic material systems for dental and energy applications
- Fabricate materials and investigated chemical, thermal and mechanical properties with improved processes to optimize the material systems
- Report scientific finds both at international conferences and in journal publications, showing outstanding oral and written presentation skill
- Design skills training activities and supervised up to 10 students to ensure they learned proper laboratory protocols
- Mentor junior members and assist with goal setting, task and advise on results analysis
- Partner and lead lab meetings of up to 10 multi-disciplinary researchers to discuss findings in order to streamline processes and increase productivity

Research Specialist, CA Institute for Telecommunications and Information Technology May 20XX – Feb. 20XX

- Characterized nanotubes using atomic force microscope (AFM)
- Corresponded with over 10 industry collaborators to communicate needs and achievement resulting in increased funding for operations

Research Visit, Los Alamos National Laboratory December 20XX

- Ion-irradiation experiments on potential ceramic inert matrix nuclear fuel materials
- Collaborated with nuclear energy specialists and assisted with analysis of data

LEADERSHIP EXPERIENCE

Teaching Assistant, University of California Sep. 20XX-Present

- Demonstrate and guide experiments with groups of 30 students to ensure safety and comprehension
- Coordinate six lab groups and prioritize tasks, deadlines, and new learning opportunities or students
- Advise students 1-1 and in groups during office hours resulting in increased command of material