

Wei-chun Juan (Tracy Juan)

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OBJECTIVE:

Processing/Manufacturing/Testing Engineer specialize in mechanical behavior of metal or composite materials

SKILLS:

- Multidisciplinary internship experience, capable of learning new technologies quickly
- Good communication skill, native Chinese speaker and fluent in English
- Broad experience of extracurricular activities, strong team player
- Operation system: Unix, Linux, Windows, Mac
- Programming language: IDL, Fortran
- Applied software: AutoCAD, MS Suite

PROFESSIONAL EXPERIENCE:

Institute of Astronomy and Astrophysics, Academia Sinica, Taipei, Taiwan

6/2008~8/2008

Summer project student

- Completed the project of "Hot molecular hydrogen gas around the center of Perseus cluster"
- Successfully using IDL to process the data from WIRCAM (Wide field infrared camera) to obtain the first image shows the special distribution of hot hydrogen gas
- Analyzed the image and provide evidence to show the X-ray heating mechanism

Ultrafine powder Lab, Industrial Technology Research Institute, Hsinchu, Taiwan

7/2004~8/2004

Intern

- Measured the surface area of nano powder by BET(Brunauer, Emmett, Teller) method
- Manufactured nano core-shell powder by microwave plasma

EDUCATION:

University of Southern California, Los Angeles, CA

Master of Science, Material Science, 12/2008

- Emphasis: Mechanical behavior of materials
- Courses: Dislocation Theory, Crystallography, Quantum Mechanics, Combustion Physics, Mechanical Behavior, Corrosion, Diffusion and Phase Equilibrium

National Tsing Hua University, Hsinchu, Taiwan

Bachelor of Science, Material Science and Engineering, 06/2007