

# KEENAN M. HANSON

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## OBJECTIVE

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Seeking a permanent position in Materials Science Engineering or Biomedical Materials

## EDUCATION

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Bachelor of Science Graduate May 2007

Inamori School of Engineering at Alfred University, Alfred NY

*Major:* Biomedical Materials Engineering, GPA 3.2/4.0

*Minor:* Chemistry

## TECHNICAL SKILLS

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*Laboratory:* X-ray diffraction, SEM, TEM, TGA, Machining and general shop practices, Arc and Mig welding, Dry pressing, Slip casting and mold making, Glass batching, Extrusion, Firing and annealing, Spin coating, Solid and liquid IR spec, Optical microscope, Oscilloscope, Acid/Base Buffer Testing, Titration, Clean room practices, and Distilling and refluxing

*Computer:* Microsoft Office (Word, Excel), Maple, and basic JAVA

## EXPERIENCE

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### Alfred University Summer Research Assistant 2005-2006

- Work with Dr. Doreen Edwards on TiO<sub>2</sub> doped Ga<sub>2</sub>O<sub>3</sub> coatings
- Perform all research and experiments independently
- Used a systematic method to determine the proper production method for the coatings
- Produce all custom crucibles and trays for the lab
- Summarize research findings in tech reports for bi-weekly review

### Alpharma Pharmaceuticals Customer Service Assistant 2006

- Responsible for organizing orders
- Received incoming calls

### Alfred University Biomaterials Society 2005-Present

- President
- Organized lectures on topics such as Nanotechnology
- Manage budget

### Co-Creator of Hardcarve Skateboards

- An experimental skateboard project which creates mechanically unique boards
- We have created over 10 entirely different skateboards
- [www.hardcarve.com](http://www.hardcarve.com)

### Sterling Forest Ski Center Instructor 2002-2005

- Educated clients on proper use of equipment
- Trained incoming instructors
- Worked with inner city youths participating in the Burton Chill Program

## AWARDS

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- Eagle Scout May 2003
- Inducted to Keramos National Professional Ceramic Engineering Fraternity
- Graduated with honors in the field of specialization at Alfred University