

Sample Summary Statements

ChemEng - Extensive experience in rheology, tribology and insight of the interface sensitive behavior of materials, polymer synthesis, polymer processing and semiconductors. Proven track record of creating and improving a broad range of innovative products from dielectric and polymer films to triborheometry apparatus. Strong ability to collaborate and work in a team environment, design new experiments and work in new science areas on multi-disciplinary projects.

MechEng - Extensive experience with applying analytical and numerical methods (such as the finite element method) to model a broad range of systems from molecular structures to large-scale mechanical structures. Proven track record of creating and improving new computational methods to perform dynamic and static analysis of otherwise intractable engineering and biological systems. Strong ability to collaborate and work in a team environment on multi-disciplinary projects. Legally authorized to work in the United States (Green Card holder).

MSE

- Over 10 years research and industry experience in semiconductor, photonic, optoelectronic materials and devices
- Research featured multiple times in *Nature Photonics*, *Science Daily*, *Global Solar Technology*, *MIT News*, etc.
- Proficient with electronic/photonic/optoelectronic device design, simulation, fabrication and characterization
- Expertise with materials characterization: structural, electrical, optical, and magnetic properties
- Rich experience in proposal writing and successful multiple research funding applications
- Excellent communication, teamwork and leadership skills demonstrated through multi-disciplinary projects
- Work authorization: U.S. citizen

A Biological Engineering Ph.D. with a solid background in PK/PD and ADME models. Highly capable of performing in silico PK/PD analysis and drug ADME-Tox studies. Proven track record of publishing significant research papers in the area of drug development and bioengineering. Strong ability to collaborate and work on interdisciplinary research projects

Nuclear Sci Eng - Motivated professional looking to begin a challenging and satisfying career. Experience solving complex problems and doing high level research in Thermal-Hydraulics and Material Science using computational, analytical and experimental methods. Excellent communication, teamwork and leadership skills.

A Chemistry PhD with extensive experience in chemical analysis and droplet-based microfluidics looking for an R&D career in industry. Highly proficient in analytical characterization of small molecules, proteins, and nucleic acids using chromatographic and spectroscopic methods. Deep expertise in the chemistry, physics, and applications of microfluidic emulsion. Track record of success in developing microfluidic emulsion technologies for protein crystallization and bioanalysis.

PhD Trans-ME - Extensive experience with analytical techniques and tools of control theory and optimization. Experience and ability to collaborate globally in multidisciplinary projects. Proven track record of developing new dynamic systems, hardware prototypes, testing human subjects, and evaluating the systems. Experience with industrial control systems such as HMI and PLC. Legally authorized to work in the United States (Green Card holder).

Physicist researcher with extensive experience in solid state physics, microfabrication and characterization, Raman spectroscopy, CVD and laboratory research. Excellent researcher with proven ability to resolve problems independently and actively contribute to the research projects goals. Possess a proven publication track record and a good standard of written and oral communication. Strong ability to interact and collaborate in a team environment on multi-disciplinary projects in a constructive, creative and professional manner. Passionate about learning scientific skills and experienced in managing multiple projects simultaneously.