Electrical Engineer – Contract Researcher

The Applied Sciences Group focuses on next generation technology – our mission is to define the future of computer hardware. Our group explores the frontiers of electronic hardware with an explicit aim towards new and exciting user experiences. We are imagining and creating the future of Microsoft's hardware and software businesses. We seek creative electrical engineers with a talent for unconventional thinking and a track record of bringing your ideas to fruition.

Within our multi-disciplinary group comprised of researchers from hardware, computer vision, manufacturing, materials science, electrical, mechanical and optics engineering the candidate must be able to understand and be adept at developing embedded hardware. The goal is to create the next generation of devices and user experiences.

We are looking for candidates who will very soon complete or have recently received a BS in Electrical Engineering (MS preferred) and possess a skill set that includes the following:

- Demonstrated experience:
  - Embedded hardware development
  - Analog and digital circuit design
  - Firmware development for microcontrollers
  - Programming skills (C++/C#, Matlab, Python)
  - CAD tools for schematic capture and circuit board layout

The candidate will be engaged in a variety of interesting projects that will leverage and/or provide experience in design, prototyping, microcontrollers, material processing, sensor integration and other aspects of the design/build process. A desire to learn and iterate through experimentation is mandatory. The successful candidate must also possess the following:

- The ability to clearly communicate what work you have done and why it is important.
- Creativity generating ideas and clever solutions to problems, as well as building the solution.
- Interpersonal skills: ability to work collaboratively within multiple groups and cross-culture teams.

You will interface across MSFT and with vendors, participate on product teams within Microsoft. The position is 18 months with the possibility of moving to full-time employee. If you want to join a team that is creating the future of the human computer interface and learn more than you only imagined in your Electrical Engineering studies, let’s explore a fit within our organization.

Please forward your resume to the following: jiholb@microsoft.com