

Electro-Mechanical Engineer - Adidas

Student Major(s) Desired: Electrical and Computer Engineering
Mechanical and Materials Engineering

Company Name: Adidas

Position Title: Electro-Mechanical Engineer

Location: Portland

Start Date: asap

Hours per Week: 40+

Compensation: Excellent employment package available

URL: www.adidas.com

Position Description & Tasks:

Creating the products and innovations that consistently broaden the horizon of the adidas brand is a responsibility shouldered by the adidas innovations team (a.i.t.).

Hailing from more than a dozen countries and specializing in such disciplines as industrial design, biomechanics, materials engineering, mechanical / electronic engineering, advanced 3d CAD design and product development, the highly skilled innovations team work closely with professional athletes to research, develop and produce exciting, cutting edge concepts and technologies for footwear, apparel and hard goods.

Quite the opposite from the standard white coat and clipboard work environment of such high level science – this group of technical pioneers could find themselves working on a basketball court one day, the next on a running track and the next in the lab.

As our electro-mechanical engineer you will combine your proven experience in data acquisition and sensor development with your passion for sport to create and engineer market leading concepts.

Key Accountabilities:

- Responsible for owning the planning and technical design of an assigned engineering project and contributing to broader strategic planning.
- Responsible for developing algorithms for signal analysis and developing products that utilize these algorithms
- Responsible for debugging and analyzing prototypes for product improvements
- Prepare concept and product evaluations and presentations.
- Establish strategic partnerships and build up alliances with external research facilities

Examples of innovations:

The a.i.t team is responsible for creating a running shoe that can 'sense' if you are running on concrete or a dirt track and immediately offers comfort and support required for the differing environment (<http://www.gizmag.com/go/3810/>). They also designed the official soccer ball of the World Cup that had a sensor located in the centre to tell if the ball crossed the goal line (http://www.press.adidas.com/DesktopDefault.aspx/tabid-11/16_read-8534/).

Qualifications & Requirements:

Knowledge Skills and Abilities to ensure success:

- Strong expertise in sensors, electronics and mechanics.
- Solid experience gained in DSP / Accelerometers / Board Level Design / layout.
- Good knowledge of the field of micro-electronics
- Programming knowledge (C, Assembly, Pascal or similar) and exposure to robot system design

Qualifications:

- Advanced /graduate degree in electronics engineering, or a related field
- 0-2 years progressive experience in product engineering (as a hobbyist or professional engineer)
- Combination of both education and /or experience may be substituted for advanced degree

To apply, email resume and cover letter to:

Andrew Shearer, Recruiter – adidas

Andrew.shearer@adidas.com

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