



Evolution Robotics

Employment Opportunity Profile

1055 E. Colorado Bl., #410 • Pasadena • California 91106 • (626) 993-3300

Junior Robotics Engineer

Evolution Robotics
Pasadena, California

Position Summary as of May 3, 2010

Title: Junior Robotics Engineer

Reports to: VP of Research and Development

The Company:

Evolution Robotics, Inc. is a robotics company that is developing break-through technologies that are revolutionizing robotics for the mass market. The recent convergence of low-cost mobile computing, wireless communication, and sensing technologies has not only made the development of mobile robotic products possible, but also economical for mainstream usage. Evolution Robotics develops breakthrough solutions for making machines sense and act autonomously. We partner with consumer electronics companies to augment the capabilities of their products, such as the Sony AIBO(r) entertainment robot or WowWee robotic toys, or create entire new robotic products such as the Mint robotic mop and duster (www.mintcleaner.com).

Evolution is a recognized leader in industrial and academic communities. The company has assembled a world-class management team composed of leading robotics experts and consumer products business leaders to make the company's vision of providing useful robots at affordable prices a reality.

The Evolution Robotics team operates in a highly dynamic and very collaborative environment where the flow of ideas is encouraged from all parts of the team. The team of extremely talented engineers and scientists at Evolution has created a unique, highly stimulating, and fun work environment. This team challenges the status quo in technology and pushes the envelope on what may seem impossible.

Evolution Robotics is an operating company of Idealab!, a technology incubator known for having started many successful companies including Overture, CitySearch, and eSolar. We are located in beautiful and sunny Pasadena, in

Southern California. Hosting scientific institutions like the California Institute of Technology and the Jet Propulsion Lab, and national events like the annual Tournament of Roses, the city is considered the main cultural center of the San Gabriel Valley.

Position Purpose:

Participate in the design, implementation, test, and documentation of robotics products and supporting tools. The position entails developing software in C/C++ on Linux/Windows and on embedded platforms, building complex electromechanical systems, and validating and characterizing sensors, actuators, and robots.

The position's responsibilities also include providing customer support by helping customers solve problems, replying to customer requests via email and phone, and keeping track of the most frequent issues found in our products. The position involves a substantial portion of "hands-on" work and requires an individual able to work independently with minimal supervision.

Requirements:

- Experience developing systems in C/C++ (good understanding of computer architecture and operating systems).
- Experience validating complex systems involving hardware, software, and mechanical components.
- A solid engineering background with hands-on design and development experience.
- Excellent verbal and written communications skills.
- Strong problem solving and analytical skills.
- Ability to learn quickly.
- **Minimum Degree:** BS in Computer Science, Electrical Engineering, or related field.

Nice to have:

- Ability to build/assemble/modify electronic assemblies or robots into various configurations for test purposes.
- Experience in validating consumer electronics or robotics products.
- Hands-on design and development experience of software and hardware products.
- Working experience in Linux and Windows.
- Experience developing embedded systems.
- Knowledge and understanding of robotics and computer vision.

INTERESTED CANDIDATES SHOULD SUBMIT THEIR RESUME AND SALARY HISTORY TO: careers@evolution.com

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