



mistywest

Electrical/Hardware Engineer

Full Time Position

Job Code: EE

Mount Pleasant, Vancouver

About MistyWest

MistyWest is a multidisciplinary engineering consultancy specializing in prototyping and early stage product development.

Role

The candidate will be required to work closely with the rest of the team to complete product development and research tasks. Experience with PCB design and certification processes will be required. Experience designing hardware for volume manufacture is desired. Radio frequency and/or analog circuit design experience including product design experience with amplifier and filter circuits is also helpful for this role.

Candidates with experience in multiple disciplines (systems engineering, mechanical engineering, firmware, software or physics) are preferred.

MistyWest develops products in many innovative applications, bringing many opportunities to learn something new. This role will require close integration with the rest of the electrical and firmware teams, so good communication is a must!

Applicant Streams

Junior Electrical Engineer - Required Qualifications

- Bachelor's Degree in Electrical Engineering or equivalent degree
- At least one years of previous work experience in hardware design
- Proficient in PCB Layout and schematic capture software (e.g. Altium)
- Experience with rapid prototyping platforms (e.g. Arduino, Raspberry Pi, TI Launchpad)
- Knowledge of digital systems design, debugging, and prototype assembly
- Confident with datasheets, part selection, and qualification
- Strong soldering and hardware debugging skills
- Awesomeness

Senior Electrical Engineer - Required Qualifications

All of the Junior stream qualifications, plus:

- At least four years of previous work experience in hardware design
- Multi-layer board design (6+ layers) with experience in high speed, differential, and controlled impedance routing
- Strong background in analog circuit and mixed signal design
- Experience with electrical system certification is desired (e.g. CE, CSA, UL, FCC, ISO)
- Good comfort level with low level firmware for embedded devices (ARM microcontrollers, RTOS)
- Awesomeness²

Preferred Qualifications

- Experience with any of the following (ordered from most to least desirable):
 - Altium
 - ARM, Atmel or Microchip microcontrollers
 - Design for manufacturing including automated testing
 - RF and antenna design
 - Firmware for microcontrollers (Free RTOS)
 - Solidworks
 - Version control (SVN, Git)
 - DSPs, FPGAs, VHDL, Verilog
- Multidisciplinary engineering experience is an asset for this position
- Ability to function independently with little supervision as well as working effectively in a team environment
- Valid passport and the ability to travel internationally on occasion
- Experience working in a client facing role or at an engineering consultancy

Compensation

Salary

Compensation for this role will be commensurate with experience and the degree to which the candidate fulfills the various requirements of the role. All candidates meeting the minimum requirements for the role will be evaluated for the stream to which they best fit.

- Senior Stream Salary Range: \$70,000-\$95,000 (+OT & Benefits)
- Junior Stream Salary Range: \$50,000-\$70,000 (+OT & Benefits)

Benefits

Benefits include the following (we're always adding more):

- Paid overtime: MistyWest compensates our salaried staff for all overtime hours worked
- Paid vacation and sick days
- Generous parental and compassionate care leave
- Comprehensive medical and dental plan from Sun Life with 100% paramedical coverage
- \$1000 discretionary Professional Development budget per annum
- 3 paid days off for Professional Development
- Flexible work schedule & opportunity to telecommute
- Access to full laboratory and workshop for personal projects
- Well stocked corporate library & access to complimentary online learning subscriptions (Skillshare, etc)
- Makerlabs corporate membership
- Attractive, bright, open-plan, dog-friendly office in Mount Pleasant.
- Office snacks!
- Opportunities to travel to professional conferences like CES, SXSW, Siggraph, and more
- Complimentary staff events like ski trips, parties, shared meals, and community events

Mission-driven Collaborators

We are Westies. United as Impact Architects, diverse by expertise. We are engineers, mathematicians, roboticists, physicists, scientists, designers, researchers, and misfits who crave complex problems to radically pivot today, and realize a positive tomorrow, through impactful technology.

We target projects that have the potential for high-impact, whether it's improving the human condition, impacting sustainability in a positive way, or otherwise moving us collectively to an inclusively abundant future. Our clients leverage our multidisciplinary team (industrial, mechanical, electrical, software design + engineering) to accelerate productization from ideation through advanced prototyping to alpha release.

We are inspired to transform what our world can be. With hard science, serendipitous discovery, and breakthrough technology. The journey is complex and failure-filled. The potential is unlimited and incredibly bright.

How to Apply

Please email your resume, descriptions of past work as a PDF or personal

website, and a suitable picture of a baby animal in a hat to people@mistywest.com. Applicants without this will not be considered.

Recruitment Practices

MistyWest is an equal opportunity employer that values diversity at our company. We do not discriminate on the basis of race, religion, color, national origin, gender, sexual orientation, age, marital status, veteran status, or disability status. We are actively working to reduce and eliminate barriers to entry for traditionally marginalized groups and individuals.

Have a question about our hiring or recruitment practices? [Ask us!](#)