

## Senior Design Engineer

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Company: GARMIN

Location: Northeastern Manitoulin and the Islands

Category: architecture-and-engineering

Essential Functions Serves in leadership capacity for carrying out complex design and development of analog, digital, or RF designs for products that involve complicated schematics and PCB design consisting of one or more PCB's

May serve as a Project Engineer on new projects that involve a new design or major changes to an existing design

Participates in project leadership and/or program planning including providing technical input to concept documents and product development plans.

Makes substantial contributions toward determination of project goal/objective feasibility

Independently determines general approach and specific solutions to technical problems

Perform cost/performance tradeoff analysis of different circuit options

Works closely with software engineering and processor manufacturers to bring up new processors

Partners with Mechanical Engineers to design best PCB solution accounting for thermal and space constraints

Teams with Production, Mechanical Engineering, Industrial Design, and Software Engineering to ensure robust designs and appropriate testability

Collaborates and adds value through participation in design reviews providing comments on electrical design aspects and other engineering areas

Provides reliable solutions to a wide range of difficult problems using sound problem solving techniques

Evaluates new components and technologies as they apply to existing functions and

contributes to advanced technical research

Direct and coordinate manufacture of prototypes

Support production facilities in the manufacture of products

Interface with the Test Engineers and factory personnel on the testing and production of the products

Plan and develop experimental test programs to verify compliance to all applicable regulations and quality guidelines

Utilizes software tools and test equipment to formulate and test electronic designs

Analyze test data and reports to determine if the proposed design meets functional and performance specifications

Evaluate engineering test results for possible application to developments of other systems

Offers process improvement suggestions and authors new procedures as appropriate

Mentors and provides guidance to less experienced Design Engineers (1 & 2)

Associates are expected to integrate, use, and provide feedback on products in development when possible as part of their normal job responsibilities.

Exemplifies Garmin's Mission Statement and Quality Policy and proactively works to improve Garmin's image and culture

Basic Qualifications Bachelor's of Science Degree in Electrical or Computer

Engineering AND a minimum of 5 years relevant experience OR an equivalent combination of education and relevant experience

Excellent academics (cumulative GPA greater than or equal to 3.0 as a general rule)

Demonstrated strong and effective verbal, written, and interpersonal communication skills

Must demonstrate proficiency with a complicated schematic and PCB design consisting of one or more PCB's

Broad technical knowledge and skills in one or more areas of Electrical Engineering (e.g., analog, digital, RF, and/or simulation)

Garmin Cochrane: Registered as a Professional Engineer (P. Eng) in Alberta

Desired Qualifications Extensive circuit design experience for consumer products

Company Information At Garmin Canada, we create more than just products - we inspire solutions and innovations that change and shape how we live, work and play. You'll get to play an integral role in helping us bring cutting-edge products from concept to market, while working alongside a diverse group of top talent from across 34 countries. When you work at Garmin, adventure doesn't have to wait for the weekend. This is where you can put your

passions into action - and enjoy what you do every day! Here are just a few things we think you'll love about working here: You'll be part of something big. Every associate is encouraged to think big and share their ideas, which is why our office supports an open-door policy. We're continuing to grow year over year, and we invest in our associates to help them learn, grow, and advance their careers at every level! If you're an innovator, solution creator, or just like to get things done, you'll fit in perfectly! You'll love our office culture. We believe in work-life integration and place high value on diversity, inclusion and belonging. Our onsite fitness centre, ergonomic sit-stand desks, Business Resource Groups, Social Committee and Wellness Program all contribute to the commitment we have to the overall wellness of every associate. Garmin Canada's Corporate Social Responsibility Program supports and contributes to local communities and causes, while providing you with the opportunity to support the things you're passionate about! You'll receive fantastic benefits. Our benefit plans and company culture encourage a healthy lifestyle. Our benefits continue to evolve to meet the needs of our associates. You'll get flexibility with our competitive company matching savings plans with your choice of tax-free or non-registered savings accounts. We also have an employee stock purchase plan, student loan repayment program, and fitness reimbursements - just to name a few! You'll love the views. Our hybrid work model will enable you to enjoy the views from your home office, as well as the view of the Rocky Mountains from our office in Cochrane! With bike parks and trails right outside our front door, our office is perfectly positioned for testing out the very products we develop here. You'll be able to take in the magnificent mountain views - even from your workspace - and still be only 15 minutes from Calgary. Our vision for Diversity, Inclusion and Belonging: In the spirit of truth, reconciliation, and respect we recognize Treaty 7 traditional territory. We acknowledge the Métis people of Alberta on whose traditional territory this building stands, and who share a deep connection with this land. We recognize that diversity & inclusion are catalysts for success. Our combined energy is fueled by different nationalities, across 6 continents and 34 countries. At Garmin Canada our commitment is to celebrate character. We purposefully integrate diversity, inclusion and belonging into everything that we do in order to ensure all associates feel seen, heard, and valued. Garmin Canada is an equal opportunity employer. Qualified applicants will receive consideration for employment without regard to race, colour, ancestry, place of origin, religious beliefs, gender, gender identity, gender expression, age, physical disability, mental disability, marital status, family status, source of income, and sexual orientation. This position is eligible for Garmin's benefit program. Details

can be found here: Garmin Canada Benefits

#J-18808-Ljbffr

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