



About us:

Niche Biomedical Inc. is a medical device company spun-off from UCLA. Our mission is to drastically improve the quality of human life through bioelectronic medicine. The company is developing a set of novel technologies as therapeutic devices and systems to treat diseases and injuries associated with center, peripheral, autonomous/enteric nervous systems.

We are actively looking for passionate and talented employees who share the same vision with us to grow and thrive together.

3 openings available.

About the roles:

The candidate shall collaboratively and independently conducts development work as part of a major product development and research project; receive minimal technical direction/review on broad scope or complex projects. The ability to work seamlessly with the engineering/medical team is a must, as well as interfacing with product management. Equally important, the candidate is expected to have the willingness to take adaptive challenges, and the perseverance and resilience to work under stress in a start-up company.

ELECTRONICS ENGINEER

Responsibilities and Qualifications

- Electronic circuits and systems design, development, characterization, and verification
- ASIC design, simulation, layout, and testing
- Skills in PCB design and development
- Designs and prepares complex reports to communicate results to the technical community.
- Assesses the feasibility and soundness of proposed engineering evaluation tests, products or equipment.
- Interfaces with physicians/medical personnel to obtain feedback on concepts and performance of new devices.
- Responsible for engineering documentation.

- PhD degree in Electrical Engineering with previous internship experience and/or journal/conference publications or MSEE with 2+ years of professional experience in the transistor-level design of analog or mixed-signal integrated circuits.
- Experience in the transistor level design of analog, mixed-signal or RF circuit using CMOS/BiCMOS technologies.
- Experienced in PCB-level design using off-the-shelf devices.
- Strong debugging skills.

- 2+ years of academic or professional experience using one or more of the following is required: Cadence, Spice, ADS, Matlab or Verilog/VHDL.
- Passionate about learning new knowledge and taking on challenging assignments, and being resourceful and flexible.

SR. SOFTWARE/EMBEDDED SYSTEMS ENGINEER

Responsibilities and Qualifications

- Architect, design, develop, and test applications for products in an embedded environment.
- Present status update on software/firmware development efforts to project management and management.
- Consistently generate innovative and unique solutions to market needs and submits idea disclosures. Work is expected to result in the development of new or refined products, device, processes or equipment.
- Translates customer needs into product requirements and design specifications.
- Responsible for engineering documentation.
- Assist in conducting pre-clinical/clinical studies.
- MS/PhD degree in Electrical Engineering, Computer Science, Information Systems or related field.
- Strong technical skills in C# .Net, Visual Studio, Python, Matlab, Java, embedded programming, Verilog.
- 3+ years software/embedded system development experience.
- 3+ year of software/embedded system development management experience.
- Strong knowledge of Microsoft Azure/Amazon AWS/Google Cloud.
- Experience with communication protocols such as i2C, SPI, USB, CAN, TCP/IP, Bluetooth, and Wi-Fi communications preferred.
- Strong communication and presentation skills.
- Coding

JR. SOFTWARE/EMBEDDED SYSTEMS ENGINEER

Responsibilities and Qualifications

- Design, develop, and test applications for products in an embedded environment.
- Present status update on software/firmware development efforts to project management and management.
- Generate innovative and unique solutions to market needs and submits idea disclosures. Work is expected to result in the development of new or refined products, device, processes or equipment.
- Responsible for engineering documentation.
- Assist in conducting pre-clinical/clinical studies.
- BS/MS degree in Electrical Engineering , Computer Science, Information Systems, or related field.
- Strong technical skills in C# .Net, Visual Studio, Python, Matlab, Java, embedded programming, Verilog
- 1+ years software/embedded system development experience (MS)

- 2+ year of software/embedded system development experience (BS).
- Strong knowledge of Microsoft Azure/Amazon AWS/Google Cloud.
- Experience with communication protocols such as i2C, SPI, USB, CAN, TCP/IP, Bluetooth, and Wi-Fi communications preferred.
- Communication and presentation skills.
- Code on Laptop Computer

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