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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