Topic Recommendation:

Topics in senior software engineering

Course Description

Introduction to topics in senior software engineering such as, nosql, jade, apache-kafka, deep-learning, keystone.js, linux, java, redis, machine-learning, amazon-web-services, gpu, pandas, math, reactjs, kubernetes, python, automated-tests, javascript, sql, tensorflow, computer-vision, algorithm, embedded, mysql, c++, css,
comfortable developing high level state machines using modern modeling tools, part 11 relevance validation master plan technical documentation, distributed system c ++ applications contribute broadly, equity responsibilities create new neural network architectures, c ++ perform formal risk analysis

Course Learning Outcomes:

require employment eligibility verification document form upon hire
evaluate new product concepts work
join intuitive surgical means joining
embed environment develop software
skilled machine learning engineer
develop robot learning algorithms
cut edge space
develop technical specifications
embed linux devices
doingusing machine learning
approve various documentation
uncover new opportunities
improve surgical efficacy
embed software platform
please apply directly
enable new levels
protect veteran status
personalize user perception
use technology
grow engineering team
base issue escalations
provide compliance leadership
image subsystems
ensure documentation
select methods
please send
include medical
stay current
share reward
provide value
personalize platform
emerge topics
amaze story
look forward
ensure robust
provide management

Summary from top job descriptions:
Primary Function of Position: The successful candidate will architect the user interface and define the behaviors of a novel surgical robot system.
The successful candidate must excel in a high-energy team environment, be able to drive to solutions from rough requirements, and have a commitment to high product quality.

Roles and Responsibilities: • Work on a cross-functional team to architect and implement new user interface features in a complex, distributed, hierarchical state machine • Collaborate with designers of robotic control algorithms to define the behaviors of the robotic system • Develop and maintain external interfaces between state machine and embedded host environment in C/C++ • Perform formal risk analysis and develop and verify software mitigations • Document according to Intuitive's development guidelines Primary Function of Position:Intuitive Surgical is seeking a strong, experienced, collaborative QS CSV Lead to ensure that Intuitive Surgical computerized and automation systems are in full compliance with regulatory requirements, company policies, and procedures.

Serves as the lead SME for ISI CSV projects; including inquiries pertaining to the interpretation of FDA and other regulatory requirements for computer system validation.

Exercises judgment in selecting methods and language to provide compliant solutions to address and document issues, which may arise during validation activities.

Patient safety is our highest priority.Primary Function of Position:Work with an incredibly talented team to design and build the embedded software platform and feature set for next-generation surgical robotic systems.

The successful candidate must excel in a high-energy small team environment, be able to drive to solutions from rough requirements, and have a commitment to high product quality.

A strong sense of shared responsibility and shared reward is required.Roles and Responsibilities:• Work on a cross functional team to develop technical specifications and evaluate design trade-offs – specifically in the area of platform/infrastructure software• Design and development of product-focused, rock-solid, C++ software in a heterogeneous, multi-processor SoC/FPGA/real-time-embedded environment• Develop software for embedded Linux devices:o Customize and productize embedded Linux distributionso Create drivers that interface with custom FPGA deviceso Design and implement multi-threaded, distributed system C++ applications• Contribute broadly to many areas of software development, including but not limited to:o Extension of current frameworks to new processors and operating systemso Development of research prototypes used to evaluate new product concepts• Work with electrical engineers to bring up new, custom hardware

Primary Function of Position:Intuitive Surgical designs and manufactures highly complex endoscopic vision systems for use in surgery.

The successful candidate must excel in a high-energy, focused, small-team environment, be able to drive to solutions from rough requirements, and have a commitment to high product quality.

Roles and Responsibilities:• Deliver superb video quality to clinicians • Invent, evaluate and implement real-time image processing algorithms • Evaluate and review image sensors, illumination and display solutions • Optimize system (camera, lights and display) for excellent image quality • Invent, prototype and test advanced imaging modes • Obtain and iterate surgical feedback into designs • Prepare and review patent applications

Minimum Required Skills:Computer Vision, Robotic Systems, User Modeling, ML / DL Solutions, Tensorflow, Caffe, Keras, Torch, RoboticsData ScienceIf you are a Senior Software Engineer with Machine Learning experience, please read on!Located in Pasadena - We are working to create groundbreaking products and services that impact people's quality of life in meaningful ways. This person will need 5+ years of experience with Machine Learning.What You Will Be Doing- Design and develop robot learning algorithms that enable advanced social human-robot interaction- Lead machine learning research and analysis of human-robot interaction data towards an autonomous and personalized platform- Work on other advanced robot control, behavior, and interaction problems as needed- Work collaboratively with:- Domain experts to implement robot features and behaviors specific to end-users' needs- Creative team of writers and animators to use perception to create engaging robot content- HRI experts to improve and personalize user perception- Firmware and software engineers to implement algorithms and driversWhat You Need for this Position- 5+ years developing complex statistical ML methods for computervision, robotic systems and/or user modeling- Experience developing ML and DL solutions using tools such as TensorFlow, Caffe, Keras, Torch or equivalent- MS/PhD in CS, CE, or Robotics with focus on ML or data scienceWhat's In It for YouWe are prepared to offer a great base salary up to $185k depending on experience plus options and other great benefits!So, if you are a Senior Software Engineer with Machine Learning experience, please apply today!Applicants must be authorized to work in the U.S.Please apply directly to by clicking 'Click Here to Apply' with your Word resume!Looking forward to receiving your resume and going over the position in more detail with you.- Not a fit for this position?

Our ideal team member will utilize Machine Learning and NLP to create machine translation solutions for our proprietary algorithms and will also be excited about working in a fast-paced, open-table, multi-discipline environment.What You Will Be DoingUsing Machine Learning and automatic speech recognition/NLP systems to create cutting edge Machine Translation solutions.What You Need for this Position- 5+ Years of Work Experience - PhD or M.Sc. in CS, EE, or Physics - C++/C#- Data-Driven Statistical/Machine Learning methods- Natural Language Processing (NLP)Nice to Have:- Big Data/Data Science- Familiarity with Linguistic Phonetics- Basic Digital Signal Processing Techniques for Audio- Continuous Integration- Proficient in JavaScript/Unity3D/Mobile Development (Android and/or iOS)So, if you are a highly talented Machine Learning Engineer that is interested in contributing to the future of AI for VR social interaction (basically a ninja), please apply today!Applicants must be authorized to work in the U.S.Please apply directly to by clicking 'Click Here to Apply' with your Word resume!Looking forward to receiving your resume and going over the position in more detail with you.- Not a fit for this position?

Minimum Required Skills:C++/C#, Machine Learning/Artificial Intelligence, Natural Language Processing (NLP), Big Data, Data

Science, Continuous Integration, JavaScript, Unity3d, Andriod, IOSIf you are a Skilled Machine Learning Engineer that is ready to help shape the future of VR identities/profiles, please read on!!!Based in prime location of Pasadena, CA, we are well funded, venture backed start-up that working it in the cutting edge space of AI and VR.

Minimum Required Skills:C++/C#, Machine Learning/Artificial Intelligence, Natural Language Processing (NLP), Big Data, Data Science, Continuous Integration, JavaScript, Unity3d, Andriod, IOSIf you are a Skilled Machine Learning Engineer that is ready to help shape the future of VR identities/profiles, please read on!!!Based in prime location of Pasadena, CA, we are well funded, venture backed start-up that working it in the cutting edge space of AI and VR.

Our ideal team member will be highly skilled (Masters or PhD) and able to utilize Machine Learning and NLP to create machine translation solutions for our proprietary algorithms and will also be excited about working in a fast-paced, open-table, multi-discipline environment.What You Will Be DoingUsing Machine Learning and automatic speech recognition/NLP systems to create cutting edge Machine Translation solutions.What You Need for this Position- 5+ Years of Work Experience - PhD or M.Sc. in CS, EE, or Physics - C++/C#- Data-Driven Statistical/Machine Learning methods- Natural Language Processing (NLP)Nice to Have:- Big Data/Data Science- Familiarity with Linguistic Phonetics- Basic Digital Signal Processing Techniques for Audio- Continuous Integration- Proficient in JavaScript/Unity3D/Mobile Development (Android and/or iOS)So, if you are a highly talented Machine Learning Engineer that is interested in contributing to the future of AI for VR social interaction (basically a ninja), please apply today!Applicants must be authorized to work in the U.S.Please apply directly to by clicking 'Click Here to Apply' with your Word resume!Looking forward to receiving your resume and going over the position in more detail with you.- Not a fit for this position? Click the link at the bottom of this email to search all of our open positions.Looking forward to receiving your resume!CyberCodersCyberCoders, Inc is proud to be an Equal Opportunity EmployerAll qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, protected veteran status, or any other characteristic protected by law.Your Right to Work - In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification document form upon hire.CyberCoders will consider for Employment in the City of Los Angeles qualified Applicants with Criminal Histories in a manner consistent with the requirements of the Los Angeles Fair Chance Initiative for Hiring (Ban the Box) Ordinance.Copyright © 1999 - 2017 .

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