

1. Record Nr.	UNINA9910631099703321
Autore	Lee Roger <1945->
Titolo	Software engineering, artificial intelligence, networking and parallel/distributed computing / / Roger Lee
Pubbl/distr/stampa	Cham, Switzerland : , : Springer International Publishing, , [2022] ©2022
ISBN	9783031196041 9783031196034
Descrizione fisica	1 online resource (223 pages)
Collana	Studies in Computational Intelligence
Disciplina	006.3
Soggetti	Artificial intelligence Computer networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Preface -- Contents -- Contributors -- A-IDE: A Non-intrusive Cross-Platform Development Environment for AVR Programming in Assembly -- 1 Introduction -- 2 Preliminaries -- 3 System Description -- 3.1 The User Interface -- 3.2 The Edition Component -- 3.3 The Build and Upload Component -- 3.4 System Requirements -- 4 Comparison to Related Systems and Evaluation -- 5 Conclusions -- References -- Develop a Horizontal Virtual Frame by Adding Field of View Restrictions to Reduce VR Sickness -- 1 Introduction -- 2 Purpose of Research -- 2.1 Reduce VR Sickness Caused by VR Content -- 2.2 Realized by Video Processing Without Using Auxiliary Equipment -- 2.3 Compare Virtual Frames and Verify the Effect of Horizontal Lines -- 2.4 Prove that It Works for Various Contents -- 3 VR Sickness -- 4 Development of Virtual Horizontal Frame -- 4.1 Creating a Coaster -- 4.2 Virtual Horizontal Frame -- 4.3 Omnidirectional Virtual Frame -- 4.4 Horizontal Sensation Retention Frame with Limited Visual Field -- 5 Experiment -- 5.1 Experimental Method -- 5.2 SSQ Measurement -- 6 Conclusion -- References -- Represent Score as the Measurement of User Influence on Twitter -- 1 Introduction -- 2 Related Work -- 3 Proposed Method -- 3.1 Overview -- 3.2 Scraping -- 3.3 Extract Represent Score -- 3.4 Select the Period of Time to Be Used in the Represent Score Calculation -- 4 Experiment -- 4.1 Experiment

Environment -- 4.2 Monthly Represent Scores -- 4.3 Yearly Represent Scores -- 4.4 Most Retweeted Tweets Among the Collected Celebrity Tweets, Excluding Outliers -- 4.5 Discussion -- 5 Conclusion -- References -- The Experience of Developing a FAT File System Module in the Rust Programming Language -- 1 Introduction -- 2 Rust for Linux: Introducing Rust to Linux -- 2.1 The Rust Programming Language -- 2.2 Rust for Linux -- 2.3 Building the Linux Kernel with Rust Modules.

2.4 Developing Linux Kernel Modules in Rust -- 3 Developing a FAT File System Module in Rust -- 3.1 Motivation to Develop a File System Module -- 3.2 Interaction and Interfaces with the Kernel -- 3.3 Operations on the Kernel Data Structures -- 4 Experiments -- 4.1 Experiment Environment -- 4.2 Measurement Results -- 5 Related Work -- 6 Summary -- References -- Factors Influencing Consumers' Online Grocery Shopping Under the New Normal -- 1 Introduction -- 2 Theoretical Background -- 2.1 Online Grocery Retailing -- 2.2 Theory of Consumer Channel Choice -- 2.3 The Impact of COVID-19 on Consumers -- 2.4 Research Questions -- 3 Methods -- 3.1 Data -- 3.2 Variable Measurements -- 3.3 Model -- 4 Results -- 5 Robustness Checks -- 6 Discussion -- 7 Future Research -- References -- Skeletal Muscle Segmentation at the Third Lumbar Vertebral Level in Radiotherapy CT Images -- 1 Introduction -- 2 Materials and Methods -- 2.1 Patients -- 2.2 CT Image Acquisition -- 2.3 Ground Truth -- 2.4 Skeletal Muscle Segmentation -- 2.5 Evaluation Metrics -- 3 Results -- 4 Discussion -- 5 Conclusion -- References -- Speed-Up Single Shot Detector on GPU with CUDA -- 1 Introduction -- 1.1 Context -- 1.2 Motivation -- 1.3 Our Contribution -- 2 Related Work -- 2.1 Object Detection -- 2.2 CUDA -- 2.3 Single Shot Multibox Detector -- 2.4 Non-maximum Suppression -- 2.5 Faster R-CNN with GPU -- 3 Our Implementation and Optimization -- 3.1 Some Problems of Current Research -- 3.2 Pre-Processing and Proposal Layer -- 3.3 Post Processing -- 4 Result -- 4.1 Accuracy -- 4.2 Speed -- 5 Conclusions -- References -- An Empirical Study on the Economic Factors Affecting on the Export of Defense Industry Using Hofstede's Culture Dimension Theory -- 1 Introduction -- 2 Theoretical Background -- 2.1 Definition of Defense Industry -- 2.2 Features of Defense Industry. 2.3 Features of Defense Industry Export -- 2.4 Definition of Hofstede Insights -- 3 Study Direction and Results -- 3.1 Research Model -- 3.2 Selection of Variables -- 4 Empirical Analysis -- 4.1 Effects of Economic Factors in Defense Industry on Defense Export -- 4.2 Analysis of the Moderate Effect of Hofstede Cultural Index -- 4.3 Case Study of Moderator Variables Through Hypothesis Test Results -- 5 Conclusion and Future Research -- References -- A Study on the Application of Blockchain Technology in Non-governmental Organizations -- 1 Introduction -- 2 Theoretical Background -- 2.1 The Definition of Blockchain -- 2.2 A Study on Technology Acceptance Theory-The Unified Theory of Acceptance and Use of Technology (UTAUT) -- 3 Research Method -- 3.1 Research Hypothesis -- 3.2 Operational Definition of Variables -- 3.3 UTAUT Independent, Dependent Variables -- 4 Empirical Data Analysis -- 4.1 Data Collection -- 4.2 Reflective Measurement Model Fit -- 4.3 Structural Model Evaluation and Hypothesis Verification -- 5 Conclusions -- References -- Confidential Documents Sharing Model Based on Blockchain Environment -- 1 Introduction -- 2 Related Work -- 2.1 Enterprise Environment for Confidential Information Process -- 2.2 Security Threats About Confidential Document Sharing -- 2.3 Blockchain Platform -- 3 Confidential Document Sharing Model Based on Blockchain Platform -- 3.1 Security Environment Analysis

and Requirements -- 3.2 Confidential Document Sharing Model Based on Blockchain Platform -- 4 Implement -- 4.1 Verification Environment and Items -- 4.2 Verification Process -- 5 Conclusion -- References -- Distance Based Clustering in Wireless Sensor Network -- 1 Introduction -- 2 Related Review -- 2.1 Radio Channel Model -- 3 Cluster Formation -- 3.1 Distance Based Cluster Algorithm -- 3.2 Node-to-Node Cohesion -- 3.3 Clustering. 3.4 Cluster Uniformation -- 3.5 Cluster Head Election-Scheme of Finding Center of Gravity Node -- 3.6 Energy Consumption Modeling of CH Node -- 3.7 Cluster Uniformity -- 4 Simulation Results -- 5 Conclusion -- References -- Study on OSINT-Based Security Control Monitoring Utilization Plan -- 1 Introduction -- 2 OSINT Definitions and Concepts -- 2.1 Definition of OSINT -- 2.2 Concept of OSINT -- 2.3 Features of OSINT -- 2.4 Application Field -- 3 OSINT Processes and Tools -- 3.1 OSINT Process -- 3.2 OSINT Tools -- 4 OSINT Security Monitoring Utilization Plan -- 4.1 Collecting and Taking Action on Internal Asset Information -- 4.2 Gather and Prevent Published Threat Information -- 4.3 Inspection of Exposure of Important Information -- 5 Conclusions -- References -- A Study on the Strategy of SWOT Extraction in the Metavers Platform Review Data: Using NLP Techniques -- 1 Introduction -- 2 Theoretical Background -- 2.1 Metaverse -- 2.2 SWOT Analysis with Secondary Data -- 3 Research Method -- 3.1 Research Model -- 3.2 Research Method -- 4 Results -- 4.1 SWOT: S, W (ZEPETO Positive and Negative Data) -- 5 Conclusions -- References -- Does Facial Expression Accurately Reveal True Emotion? Evidence from EEG Signal -- 1 Introduction -- 2 Theoretical Background -- 2.1 Emotions as Discrete Categories: Basic Emotion Theory, Emotional Facial Expression, and Relevant Debates -- 2.2 Emotion as Dimensional Model: The Valence-Arousal Circumplex Model -- 2.3 Emotion Measurement Using Frontal EEG Asymmetry -- 3 Methods -- 3.1 Participant and Experimental Procedure -- 3.2 Data Recording and Preprocessing -- 3.3 Data Analysis -- 4 Results -- 5 Discussion and Conclusion -- References -- NSGA-II-AMO: A Faster Genetic Algorithm for QWSCP -- 1 Introduction -- 2 Related Work -- 3 Problem Formulation -- 4 Our Solution -- 5 Algorithm Implementation and Results -- 5.1 Dataset. 5.2 Evaluation Indicators -- 5.3 Data Pre-process -- 5.4 Selection of the Initial Population Size upper NN -- 5.5 Selection of AMO -- 5.6 Comparison with Other Algorithms -- 6 Conclusion -- References -- Author Index.
