Syracuse Online Master's - Gain programming skills and interpret data with a master's in data science. 廣告 ···

Kevin Ni • 3 度

Lead Data Scientist at Vectra Networks, Inc.

美國 舊金山灣區

傳送訊息 ···

Vectra Networks, Inc.

美國加州大學洛杉磯分校

查看聯絡資料

444 位聯絡人

Specialties: Machine Learning, Simulation Development, Bayesian Statistics, Operations Research, Systems Analysis Current Technical Skills: C++, Python, Scala + Spark Past Technical Skills: Java, Matlab, Perl

工作經歷

Lead Data Scientist
Vectra Networks, Inc.
2017 年 5 月 – 目前 • 1 年 5 個月

Manage the Data Science team at Vectra Networks headquarters in San Jose. Lead efforts in applying sophisticated artificial intelligence techniques in the cybersecurity space.

Sr. Data Scientist
Vectra Networks, Inc.
2014 年 9 月 – 2017 年 5 月 • 2 年 9 個月

Innovate and develop new approaches for algorithms for detecting cybersecurity threats.

Develop new approaches for detecting malicious attacker behavior within customer networks using both anomaly detection and supervised machine learning. Approaches range from Bayesian modeling, various clustering techniques, ensemble tree methods, to recurrent neural networks (deep learning).

Implement these new algorithms and enhancements to the platform using C++ and Python.

Lead university recruiting effort for new interns or full time hires for positions across the entire engineering organization.

Lead the development of projects for data science interns and mentorship of new hires

您可能也想看看

Matthew Silver • 3 度
Lead Data Scientist at Vectra Networks, Inc.

Himanshu Mhatre • 3 度
Data Science Architect at Vectra

Josh Wheeler
Software Engineer at Vectra Networks

Trevor Highland
Software Engineer at Vectra Networks, Inc.

Greg Tompkins
Marketing at CounterTack

Kate Forsythe
Workday HCM Business Analyst/Interim Payroll Lead Texas A&M University System

David Lopes Pegna • 3 度
Director of Data Science at Vectra Networks, Inc.

Jason Kehl • 3 度
VP, Engineering at Vectra Networks, Inc.

Gregory Lebovitz
Product innovator, strategist, executive

John Burrescia
Assistant Professor Of Military Science at US Army

and interns.

Maintain and support infrastructure and tools utilized by the data science team: code build and test environments, product test environments, aws/cluster support, mongo database backend, s3/ec2 instances. Includes implementing data gathering pipelines (from customers) and analysis solutions in AWS and Databricks/Spark, the development of debian packaging support for algorithm enhancements, and standing up nodes for deep learning.

Data Scientist
Vectra Networks, Inc.
2013 年 12 月 – 2014 年 9 月 • 10 個月

Primary task is to innovate and develop new approaches and algorithms for detecting cybersecurity threats.

Research and development of new ideas is performed in Scala/Spark operating on top of Hadoop using large datasets in HDFS.

Implementation of new features and enhancements to the product platform in C++ and Python.

Research Engineer
Lawrence Livermore National Laboratory
2009 年 6 月 – 2013 年 12 月 • 4 年 7 個月

Developed methods for improving cybersecurity.

Developed simulations for extracting features and inferring potentially illegal activity from vehicle video surveillance. Incorporated a traffic modeling mechanism to develop realistic vehicle movements. Also applied machine learning techniques to studying vehicle turn radius information to discern the difference between a passenger vehicle and a truck.

Developed methods for improving radiation detection algorithms using statistical and machine learning methods. Implemented multiple detection algorithms based upon one or more characteristics of input radiation spectra. Combined radiation detection algorithms using machine learning.

Developed an urban scene simulation environment to test radiation detection algorithms. Simulation environment included radiation transport, variable scene parameters, realistic background radiation features.

Developed method for incorporating ambiguous qualitative data into a decision analysis framework. This method focused on utilizing event trees with prior probabilities combined with a Bayesian updating mechanism to include ambiguous data related to the likelihood of the occurrence of the event.

Validated point–architecture model for threat detection. Connected with local law enforcement officials to collect and verify behavior of sea–borne law enforcement patrols. Modified existing point–architecture model to incorporate new behaviors.

Teaching Assistant
UCLA
2008 年 3 月 – 2008 年 6 月 • 4 個月

Supervised students in the development of an integrated system. Students were challenged to develop a system that incorporated detection and interpretation of audio and visual cues into an algorithm for two machines playing a physical game of tag.

Prepared the software and testing environment for the challenge.

+4

教育背景

美國加州大學洛杉磯分校
PhD, Electrical Engineering
2004 年 – 2008 年

美國加州大學洛杉磯分校
MS, Electrical Engineering
2004 年 – 2005 年

美國加州大學洛杉磯分校
BS, Electrical Engineering
2000 年 – 2004 年
活動和社團： Eta Kappa Nu (Undergraduate Electrical Engineering Honor Society)
Secretary and VP

技能和肯定

Machine Learning · 26

誰給肯定：**Oliver Brdiczka和其他 5 人（也擅長此技能）**

誰給肯定：**12 位Kevin在Vectra AI的同事**

Python · 17

誰給肯定：**Ryan Prenger和其他 2 人（也擅長此技能）**

誰給肯定：**11 位Kevin在Vectra AI的同事**

Algorithms · 17

誰給肯定：**Oliver Brdiczka和其他 2 人（也擅長此技能）**

誰給肯定：**11 位Kevin在Vectra AI的同事**

展開

個人成就

4 **出版作品**

Exploitation of Ambiguous Cues to Infer Terrorist Activity • Sensor Network Data Fault Detection with Maximum a–Posteriori Selection and Bayesian Modeling • Sensor Network Data Fault Types • Bayesian selection of non–faulty sensors

關注內容

促銷內容 ...

StemExpress Advantage
Why worry about how, where, and when you will get your human primary cells.

Modular Building Supplier
Aries Buildings is your partner from design to financing to delivery.

Invest in a Robot?
Robotics + Blockchain + AI + the most exciting franchise opportunity!

Vectra AI
4,307 人關注

美國加州大學洛杉磯分校
580,870 人關注

UCLA Alumni
44,584 名成員

Lawrence Livermore National La...
26,424 人關注

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廣告
行動裝置
徵才解決方案
行銷解決方案
業務解決方案
小型企業
社群指南
隱私權及條款
意見反映
安全中心

有問題嗎?
前往說明中心。

管理帳戶和隱私權。
前往設定

選擇語言
正體中文 (正體中文)

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