

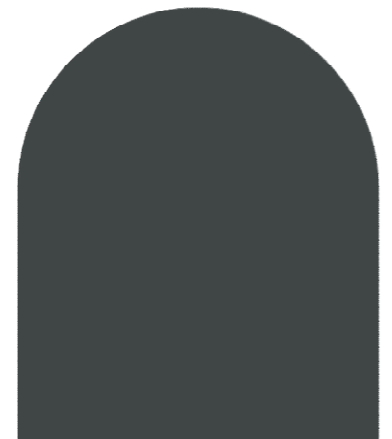
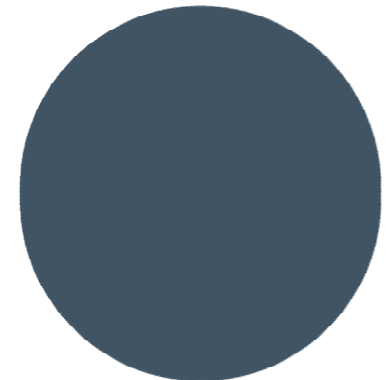
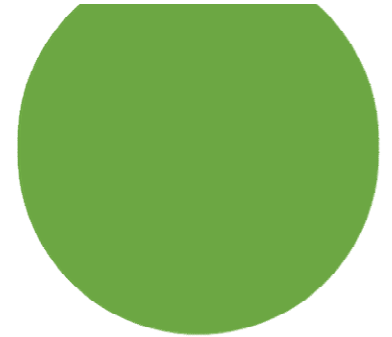
Strengthening Library-University Relations with isseek.ai: Empowering Academic Libraries through AI

14 November 2024

透過 isseek.ai 強化圖書館與大學的關係：
以人工智慧賦能學術圖書館

isseek.ai

Paul Edelblut
Vice President, Global Operations
Vantage Labs



Who is doing this?



College of Veterinary Medicine



Who we are:

- Headquarters in USA with operations worldwide 總部位於美國，業務遍及全球
- Iseek.ai is our Big Data Division > 大數據部門
- Leaders in advanced AI, Big Data solutions, Natural Language Understanding 在先進人工智慧、大數據解決方案和自然語言理解方面的領先公司
- 2.2 Billion daily customers (likely including you!) 每天接觸到22 億名客戶 (可能包括您！)
- 100 million AI Scored assessments annually 每年完成 1 億份AI評分的能力測驗
- Paul Edelblut, VP of Global Operations > 全球運營副總裁



The Challenge for Academic Libraries

學術圖書館面臨的挑戰

- Efficiency 需要提高效率
 - Lower budget yet more resources to acquire
預算減少但需獲取更多資源
 - Justifying low-yield, hyper-relevant resources
為低使用率但高度相關的資源提供合理性
- Omnipresence of information 資訊無所不在
- Audience Attention Span 讀者的注意力持續時間減少
- Competition from your own university academic departments
來自大學各學術部門的競爭

Digital Transformation at Universities; The University as Publisher 大學的數位轉型：大學作為出版商

A **Publisher** is an organization or individual that produces and sells information in the format of books, magazines, software, videos, music etc. 出版商是一製作並銷售資訊的組織或個人，其資訊形式包括書籍、雜誌、軟體、影片、音樂等






iseek.ai Cognitive Pedigree

Sophisticated infrastructure that automates decision support using:

- Artificial Intelligence and cognitive science 人工智慧與認知科學
- Natural Language Understanding (NLU) 自然語言理解
- Secure Large Language Models (LLMs) 安全的大型語言模組
- Computational linguistics and quantum reasoning 電腦語言學與量子推理
- Heuristic pattern matching and phonetic algorithms 啟發式模式匹配 和 語音演算法
- Approximate string matching (Fuzzy Matching) 近似字符串匹配 (模糊匹配)
- Intelligent ability estimation techniques 智能能力評估技術
- Machine learning and adaptive progression 機器學習與自適性進展
- Multi-modal indexing 多模型索引
- Over 15 parsing technologies and 1,500 algorithms/linguistic technologies for meaning 超過 15 種解析技術及 1,500 種演算法/語言技術，用於語義理解

Your Virtual Reference Librarian



CASE STUDY--The Perelman School of Medicine at the University of Pennsylvania 案例研究——賓夕法尼亞大學佩雷爾曼醫學院

- Ivy League Medical School, perennially ranked top 4 in USA
常春藤聯盟醫學院，長期位居美國前四名
- Launched Virtual Curriculum (Digital Online Materials) in 1999 with VC2000
1999 年推出虛擬課程（數位線上教材），稱為 VC2000
- Launched AI Integration of Curriculum 17 Years ago
17 年前開始將人工智慧整合至課程
- Launched AI integration with Library Services 16 years ago
16 年前開始將人工智慧整合至圖書館服務
- Launched AI Integration of Digital Textbooks 13 years ago
13 年前開始將人工智慧整合至數位教科書

Browsing 46,387 resources

Viewing page 1, results 1 - 10

Sort By

Source (2/2)

PSOM



46,387

DMP



6,482

Academic Year (7)

Module (4)

Course (239)

Topic (34)

SG 12 2024 – Narratives Of Illness And Suffering STUDENT GUIDE 1 2 24 - Dec 20, 2024

Course: MD_2023_Doctoring18months - -2024 Doctoring 1

STUDENT GUIDE Learning Objectives 1. To practice identifying the narratives inherent in the stories of patients 2. To recognize the uncertainty and vulnerability that arises when one listens using lenses from the medical humanities Session at a Glance Opening Go-Round: Whole group Wrap-up Go-Round: Whole group Student Preparation: 1. Please bring Doctoring notebooks and a pen to each Doctoring session 2. Review Learning Objectives 3. Required Media: a. Narrative Medicine: A Model for Empathy, Reflection



SG 12 2024 – Narratives Of Illness And Suffering FACULTY GUIDE 1 2 24 - Dec 20, 2024

Course: MD_2023_Doctoring18months - -2024 Doctoring 1

FACULTY GUIDE Learning Objectives 1. To practice identifying the narratives inherent in the stories of patients 2. To recognize the uncertainty and vulnerability that arises when one listens using lenses from the medical humanities Session at a Glance Opening Go-Round: Whole group Wrap-up Go-Round: Whole group Space: 1. Pull up SG12 Spring 2024 DSG PPT on the screen. 2. Bags/other possessions put away until needed. 3. Consider projecting session outline on the board. Student Preparation: 1. Please bring



Pats Pics Nov 2024 1 - Nov 30, 2024

Course: 2024 PED-PEDEVENTS - 2024 Pediatric Events

Found 8,237 results for heart attack

Viewing page 1, results 1 - 10

Sort By

Source (4/4)

PSOM 8,237

DMP 2,408

MedlinePlus 31

PubMed 11

Academic Year (9)

Module (4)

Course (238)

Topic (67)

MeSH (273)

Date (99)

Category (3)

File Type (7)

Instructor (272)

Coronary heart disease and heart attack

- Leading cause of death in US and most of world
- > 500,000 new heart attacks in US each year
- Many occur in apparently healthy individuals without major identifiable risk factors
- At least 25% of heart attacks in previously healthy people are suddenly fatal



Clinical Implications Complex Disease Genetics - Aug 28, 2018

Module: 1 Course: MOD100G - Genetics

Instructors: Daniel Rader

12 55 60 61 62 63 play lecture at 10:38 more

Number of Deaths Leading cause of death in US and most of world > 500,000 new heart attacks in US each year Many occur in apparently healthy individuals without major identifiable risk factors At least 25% of heart attacks in previously healthy people are suddenly fatal Coronary heart disease and heart attack

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Genetics 082917-083117 Rader Common Complex Disease 1-2 - Aug 11, 2017

Module: 1 Course: MOD100G - Genetics

Instructors: Daniel Rader

9 64 65 66 67 116 more

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Common Complex Diseases REVISED - Sep 1, 2016

Module: 1 Course: MOD100G - Genetics

Instructors: Daniel Rader

6 48 49 50 51 85 more

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Found 8,237 results for heart attack

Viewing page 1, results 1 - 10

Sort By

Source (1)

PSOM



8,237

Academic Year (1)

18-19 (655)

Module (1)

1 (1,044)

Course (1)

Genetics (175)

MeSH (3)

- Myocardial Infarction (3,260)
- Death (1,657)
- Coronary Heart Disease (711)

Date (1)

August 2018 (85)

Category (2)

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MeSH: Coronary Heart Disease Death Myocardial Infarction

USMLE Level 1: U.18.00 - Social Sciences

LCME Hot Topic: Access to Care Comm skills w patients / families Comm w non-physician health profs Comm w physicians Complementary / alt healthcare

Continuity of Care Cultural Competence End of Life Care Global health issues Health disparities

Health disparities, demogr influences, med- underserved populations Healthcare financing Law and Medicine Medical Ethics Medical socioeconomic

Medication Management / compliance Pain management Palliative care Patient Safety

Source: canvas.upenn.edu

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Enriching Academic and Research Services

豐富學術與研究服務

- Seamlessly integrates library resources with university content.
將圖書館資源無縫整合到大學內容中。
- Streamlines research and teaching processes.
簡化研究與教學流程。
- Boosts user satisfaction with faster, more accurate searches.
提升用戶滿意度，提供更快速且精準的搜尋結果。
- Encourages rigorous academic standards through the integration of peer reviewed material with locally produced content
通過經過同儕審核的資料與本地製作內容相結合，促進嚴謹的學術標準。



Infrastructure 雲端平台服務基礎建設

- Global Infrastructure hybrid (AWS, Azure)
- Cloud Native – Kubernetes 雲原生
- Multi-tenant or private instance 多租戶或執行個體



Security

- **Ownership** – You own your data. You control content to be included in the index.
所有權 – 您擁有您的數據的所有權，並可決定您要納入索引的內容。
- **Data Encryption** – iseek uses secure transport TLS 1.2+ and at rest encryption with minimum cipher parameters of AES-256
數據加密 – iseek 使用安全傳輸 TLS 1.2+ 和靜態加密，最小密碼參數為 AES-256
- **Access** – OAuth 2.0 secure launch from embedded application
訪問權限 – 使用 OAuth 2.0 安全啟動來自嵌入應用程式的訪問
- **NIST 800-88 Compliant** 符合 NIST 800-88 標準
- **SOC2 Annual Audits** SOC2 年度審計



Embracing AI for Future Ready Libraries

擁抱人工智慧，成就未來就緒的圖書館

- Make library resources easily available to learners and faculty
讓學習者和教職員輕鬆獲取圖書館資源
- Ensure highest quality, peer reviewed materials enhance locally produced materials.
確保最高品質的同儕評審材料能增強本地製作的材料
- Leverage your expertise with information management on the organization of the Learning Management Systems
利用您在資訊管理方面的專業知識，組織學習管理系統
- Increase ROI on licensed materials through greater use and relevance.
通過增加使用率和相關性，提高授權資料的投資回報率



Thank you and Q/A

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iseek.ai

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