

# Luke Karem

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Portfolio: [lkaremportfolio.pages.dev/](https://lkaremportfolio.pages.dev/)

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## EDUCATION

### Purdue University

Bachelor's in computer graphical technology

### Salesforce AI Specialist Certification

Passed examination for AI specialist

May 2024

GPA 3.5

Feb 2025

78%

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## SKILLS SUMMARY

- **Languages:** Python, JavaScript, C#
  - **Databases/OS:** MySQL, Microsoft SQL Server, Linux, Windows, Android
  - **Machine Learning:** Data mining, NLP, Unsupervised learning, Reinforcement learning, HITL
  - **Libraries:** Pandas, NumPy, Matplotlib, ASP.NET Core, Selenium, Chromedriver
  - **Frameworks/Tools** Power BI, Tableau, Git, Jupyter, Visual Studio, .NET, myPHPAdmin
  - **Soft Skills:** Critical Thinking, Problem-solving, Understanding client needs
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## WORK EXPERIENCE

Backend Database Engineer, Iron Mountain

2022 - present

- Developed an **AI powered virtual assistant** to handle script automation and improve work flows
  - Created a **Chrome Extension** which reduced errors by an estimated **72 %** for new ALM CVS project
  - Developed Python scripts to data pull request, data reporting, and data validation
  - Wrote documentation to improve workflows with in operations team by an estimated **30 %**
  - Worked with development team to implement new process across warehouses globally
  - Created efficient tracker for reporting to VP of Global Operations on new warehouse
  - Determined **KPI's** for tracking performance with operations team
  - Created audit tool for warehouse which was implemented in several teams across the United States
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## PROJECTS

### AI VIRTUAL ASSISTANT | [LINK](#)

- Developed an AI assistant to help with work place automations and script management for improved efficiency and quick turn around on data reporting
- Developed scripts which AI assistant would utilized which provided automations **for front end data collection, excel / matplotlib reporting generation, internal outreach, and data auditing.**
- Currently in process of being release for Android applications

### CHROME EXTENSION | [LINK](#)

- Created a **chrome extension** which had an event listener for models on our Workplace Inventory Tracking System (WITS) which would validate the information before going into our database and train new hires
- Reduced errors from around **7% to 2%** within warehouse shown by a week-to-week analysis of data reporting

### HOME RENOVATIONS | [LINK](#)

- Designed and renovated the complete kitchen, and bathroom which included new cabinets, standing shower with glass sliding shower door. As well as installed new flooring and trim for condo purchased in 2022.
- Currently renovated house purchased in 2024 work included new kitchen, electrical work, plumbing, and floors.