MATTHEW I. CINTRON

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Full Stack Online Portfolio: https://mattcintron.github.io/
Main Personal Dev Repos: https://github.com/micintron , https://github.com/mattcintron

EDUCATION	Long Island University, CW Post, Brookville, NY	2013
	M.A. Digital Media Developer	
	Thesis: *The Corrupted*, Unity-based FPS Game	
	GPA: 4.0	
	Rider University, Lawrenceville, New Jersey	
	Bachelor of Fine Arts	2011
	Major: **Visual Arts** **Minor: Chinese Studies**	
	GPA: 3.86 summa cum laude	
HONORS	**Graduate Assistantship in Digital Game Design, LIU Post 2011-2013**	
	Outstanding Senior Award, Rider University, 2011	
	Phi Sigma Tau, Philosophy Honors Society, 2011	

EXPERIENCE:

Verana Health
Senior AI ML Specialist / Lead Data Engineer, 2021 – Present
> *A few examples of projects I worked on in my years of dev experience at Verana Health:*

Lead Developer for NEMA – Non Explicit Metastasis Analytics
A Next Gen NLP based AIML application using multiple models to identify and classify mentions of non explicit metastasis in doctors' patient notes.

Project Leader for Key Matcher- Key phrase and data targeting framework
A multipurpose based service application designed to use high level NLP to extract key information from mass datasets and build full data profiles of them.

Project Leader for POAM - Patient Outcome Analytics Matrix
A full API platform that could outline all medical data targets in patients unstructured doctors notes classify them with NER and make predictions on full medical outcomes.

Lead Developer on LLM ICL Integration
Worked as a lead developer on central integrations with LLM (large language models) to do ICL in context learning on full medical datasets.

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Maximus /Attain LLC
Lead AI ML Specialist and Software Engineer, 2019 –2021
> *A few examples of projects I worked on in my 2 years of dev experience at Maximus/Attain:*

Project Leader for ODIN- Optical Data Identification Network
A multipurpose based service application using AI for reading company specific form information and personal identification materials with OCR computer vision.

Tech Lead (ARGOS) Automated Real-time Global Organization Specialist
A data extraction application gathering public company data to mapping out a target company's risk using NLP based classification with attention based transformers.

Project Leader for AI-PA (AI ID Photo Authentication)
An application with high-powered Computer vision models using targeted training to perform recognition and matching on identification photos with facial authentication.

Project Leader for SPHINX – Specialized Personal Handling Inquiry Network X
A fully dockerized intents based AI Q/A chat bot that could be set up on its own endpoint and easily retrained in seconds with advanced NLP on new data to fill any service need.

Bristol Myers Squibb, Princeton, NJ

Data Scientist, Software Engineer and AI dev, 2014 –2019

A few examples of projects I worked on in my 5+ years of dev experience at BMS:

- Designed Software Databases for lab samples
- Designed Data visualization and Processing tools for Mass Spec Data
- Designed Data visualization and Processing tools for NMR data
- Built 3D Graphics tools to better plot Principle Component Analyses PCA Data
- Built Alexa Skills to help scientists in labs
- Built full voice interactive in house AI assistant, using basic natural language processing (NLP) to help scientists record work and ask questions in labs
- Designed Excel Add-ins to read and process data for Investigative Metabolomics
- Designed Software to help read data for Liquid Chromatography
- Built both the front end and back end for Bioinformatics team Website
- Built Online automated Form development tools for Discovery Toxicology
- Built Online Metabolite Number and Projects databases
- Put together online database and data analyses work for Early Stage Drug Development

Rowan University, Glassboro, NJ

Adjunct Professor at Rowan University, Computer Science Department -2015 - 2019
- Class– Intro to Game Design and Development

Long Island University, Brookville, NY

Graduate Assistant for Digital Game Design, Sept. 2011 – June, 2013

SKILLS: **Software:** JIRA**,** Terraform**,** Docker**,** Visual Studio, Pycharm, React, Amazon Alexa, Amazon AWS(Sagemaker / Sagemaker Studio, EC2, ECS, S3), MS Cognitive Services, Conda, Google Cloud, Unity, OCR, Open CV, Jupyter, Google Colab, … and others.
Programming Languages: Python, C#, C++, Java, Java Script , SQL, html5, **Frameworks:** .NET, ASP.NET, Flask, Django, Tensor flow, Keras, Scikit learn, H2O FastAPI. Databricks, **LLM:** - **Services** – Open AI (Chat GPT, GPT4), Auto GPT, Agent GPT, **Open source –** GPT-Neo, LLAMA, Alpaca, Open LLM

Government Security Clearance Level: Public Trust – with full BI completed

Government Agencies Work Experience: (DHS) Department of Homeland Security