ANDREW DINHOBL

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EXPERIENCE

ASAPP, Inc. — *Research Engineer* *May 2022 - Present*

- LLM Post-training, data curation, synthetic data, learning from feedback
- Work with production engineers to incorporate ideas into flagship agentic product
- Wrote Simulation environment for LLM testing and evaluation on real-world tasks
- Created multi-task evaluation package which reduced product iteration times from months to weeks
- Deploying model inference services to accelerate PoCs and new feature timelines
- ML Systems for UI Automation

Citrine Informatics — *Data & AI Research Engineer* *May 2021 - Aug. 2021*

- Created a software package to preprocess and featurize time-series data, train ML models, then perform statistical tests to identify useful trends and features.
- Presented performance on multiple datasets. Created demos, documentation, and unit tests.

Imubit, Inc. — *Technical Implementation Engineer* *Aug. 2019 - May 2021*

- Designed, evaluated, and deployed deep reinforcement learning models for closed-loop process control and asset optimization.
- Prioritized R&D efforts in Product, tracked model test cases, established operational metrics, and scoped features for the on-prem application across several client sites.
- Pipelined historical and real-time client data (time-series and signals) from multiple sources. Incorporated domain expertise into data processing and modeling.
- Worked directly with largest client to acheive operational excellence and deliver new features and projects.

Evonik Corporation — *Process Engineer* *July 2016 - Aug. 2019*

- Developed complex processes on large (~$2-500 million), international capital projects.
- Iteratively improved processes for business value; engineering design integrity, project management.

SKILLS

Python, PyTorch, Huggingface, vLLM/TGI, AWS, LLM APIs, Docker, Quantization, Pandas, Jupyter, Scikit-learn, Ray/RLlib, Julia, Git, Linux, CUDA, Kubernetes, C, OpenMP, MPI

EDUCATION

Georgia Institute of Technology — *M.S. Computer Science* *Aug. 2019 - May 2022*

- Autoencoders for Drug Discovery with SMILES, Neural Networks on Point-Cloud data, Multi-Agent Simulations with RLlib; ML, DL, RL, HPC

The University of Texas — *B.S. Chemical Engineering* *Aug. 2012 - May 2016*

- Applied polymer chemistry to nano-patterning applications with 3 publications.