KYLE KOSIC

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EDUCATION

M.S. in Computer Science
Georgia Institute of Technology

📅 Aug 2018 – Dec 2019   📍 Atlanta, GA

Specialization in Machine Learning

B.S. in Physics and Mathematics
University of Alabama in Huntsville

📅 Aug 2011 – May 2015   📍 Huntsville, AL

Dual Major, Physics and Applied Mathematics

SELECTED SKILLS

Rust
Actix | Actix-web | Rusoto | Tokio | Diesel | Serde | bindgen | wasm-bindgen | PyO3 | Syn | Quote

Python
pandas | NumPy | TensorFlow | PyTorch | statsmodels | PyMC3 | scikit-learn | spaCy | nltk | Dask | PySpark | flask | Tornado | asyncio | boto3 | Matplotlib | Plotly

Scala
Apache Spark | AWS SDK | Cats | Cats-effect

DevOps
Docker | Kubernetes | Prometheus | Helm | Jenkins | GitHub Actions | Git | Airflow | Redis | Kafka | Serverless | GKE

AWS
EC2 | S3 | ECR | EKS | EMR | Batch | Glue | DynamoDB | Lambda | CloudFront | RDS | Redshift | CloudFormation | SageMaker

Other
Linux Bash | Cython | MySQL | PostgreSQL | BigQuery | R

LINKS

View this resume as a WebAssembly app:
🔗 cv.kylekosic.dev

View the source code:
🔗 github.com/kykosic/resume-as-code

ABOUT ME

Full-stack site reliability engineer and data scientist with extensive background in mathematics. Self-motivated learner and problem solver with an affinity for automation, scalability, and distributed computing.

EXPERIENCE

Member of Technical Staff
OpenAI

📅 Apr 2021 – Present   📍 San Francisco, CA

Software Engineer, DevOps and Machine Learning
OnScale

📅 Apr 2019 – Apr 2021   📍 Atlanta, GA

- Orchestrated physics solvers on multi-cloud HPCs via Kubernetes, enabling thousand-core simulations on-demand with end-to-end encryption.
- Responsible for building and maintaining CI/CD infrastructure for the microservice application stack.
- Owner of the core simulation API framework, which has bindings to multiple programming languages and compiles generically for any physics solver.
- Built machine learning models to optimize compute resource allocation for physics solvers, minimizing hardware costs.

Quantitative Analyst
Lucena Research

📅 Dec 2018 – Apr 2019   📍 Atlanta, GA

- Lead research and development of machine learning applied to trading equity and commodity markets.
- Worked directly with data providers and portfolio managers to discover new investment strategies leveraging alternative data sets.

Analytic Consultant, Data Science
Wells Fargo

📅 Sep 2018 – Dec 2018   📍 Atlanta, GA

- Identified high-risk customers from electronic communications using deep learning NLP models.
- Designed Spark data pipelines for cleaning, redacting, and lexing terabytes of unstructured text data.

Data Scientist
IntegriChain

📅 Aug 2017 – Sep 2018   📍 Philadelphia, PA

- Developed novel statistical models for providing visibility into pharmaceutical supply chains, driving millions in revenue per year.
- Designed NLP models to automate master data entity matching, saving thousands of analyst work hours.
- Built models for predicting patient-level adherence gaps in high-value specialty pharma, allowing for proactive resolutions.

Senior Data Analyst
IntegriChain

📅 Feb 2016 – Aug 2017   📍 Philadelphia, PA

- Migrated on-prem data services to AWS, refactoring legacy ETL code into modern Python and Scala.