Schon Huxley

Seattle, WA

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EDUCATION

Iowa State University   *Ames, IA*
Bachelor of Science, Software Engineering   *Aug 2023 – May 2027*

WORK EXPERIENCE

Berkley Technology Services   *Summer 2025*
Site Reliability Engineer (SRE) Intern

- Automated password rotation with PowerShell/SQL/REST APIs (Active Directory, Delinea, SolarWinds), eliminating **95%** of manual updates and securing **500+** accounts with **100%** compliance.
- Built and deployed Ansible playbooks and CI/CD pipelines to cut admin work by **50%** and configuration drift by **80%**, enabling **3+** teams to adopt consistent automation.
- Analyzed system performance metrics in AppDynamics and led cross-team troubleshooting, reducing alert noise by **40%** and improve MTTR by **20%** through observability improvements.
- Facilitated weekly stakeholder reviews with **10+** engineers/managers, doubling issue resolution speed and demonstrating leadership beyond technical delivery.

PROJECTS

N&M Landscaping LLC Website | Full-Stack Lead Developer | React, TypeScript, Supabase   *Spring 2025*
- Designed and deployed a responsive advertising/booking site with on-site reviews; increased clientele by **40%**.
- Implemented responsive React UI and secure Supabase (PostgreSQL) backend with authentication, CRUD, and admin workflows for real users.

Real-Time Sports Betting Prediction Engine | Lead Engineer | Python, LightGBM, Redis, DuckDB   *Fall 2025*
- Designed a real-time ML system predicting outcomes from vendor odds and play-by-play streams.
- Engineered scalable, low-latency ML pipeline (Python, Redis, DuckDB) for real-time predictions, achieving < 250 inference latency and demonstrating robust system design.
- Developed evaluation and backtesting workflows with hyperparameter tuning and guardrails; validated model performance on large datasets to ensure reliability and accuracy.

ACTIVITIES

Phi Gamma Delta — Social Chair	*Fall 2025 – Present*
AI & Machine Learning Club	*Spring 2025 – Present*
Robotics Club	*Fall 2023 – Present*
Wrestling Club	*Fall 2024 – Present*

SKILLS

Development: Java, Python, C#, JavaScript/TypeScript, Node/Next.js, React, Flutter, PostgreSQL/SQL, Verilog, VHDL, Supabase, HTML/CSS, PowerShell

ML: LightGBM, XGBoost, scikit-learn, Pandas, Polars, Optuna, MLflow, Isotonic Regression, PyTorch

Infrastructure: Redis, DuckDB, Parquet, Kafka/Redpanda, FastAPI, asyncio, WebSockets, Docker, Ansible, Linux, CI/CD Pipelines, Kubernetes

DevOps & Observability: Git, GitHub, Prometheus, Grafana, AppDynamics, Datadog, Dynatrace, SolarWinds

CERTIFICATIONS & AWARDS

SRE: Foundations Certification — *DevOps Institute*	*Fall 2025*
Dean's List	*Fall 2023*