

# Schon Huxley

Seattle, WA

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## EDUCATION

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### Iowa State University

Ames, IA

Bachelor of Science, Software Engineering

Aug 2023 – May 2027

Activities: Phi Gamma Delta (Social Chair) • AI & Machine Learning Club • Robotics Club • Wrestling Club

## WORK EXPERIENCE

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### Berkley Technology Services

Summer 2025

Site Reliability Engineer (SRE) Intern

- Automated password rotation with PowerShell, SQL, and REST APIs across Active Directory, Delinea, and SolarWinds, 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 consistent automation across teams.
- Analyzed performance metrics in AppDynamics and led cross-team troubleshooting, reducing alert noise by **40%** and improving MTTR by **20%**.
- Facilitated weekly stakeholder reviews with **10+** engineers and managers, doubling issue resolution speed.

### Freelance Web Developer

Spring 2025

N&M Landscaping LLC Website

- Designed and deployed a responsive advertising and booking site that increased clientele by **40%**.
- Implemented a React TypeScript front-end with a Supabase (PostgreSQL) backend, featuring authentication, CRUD, and admin dashboards.

## PROJECTS

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### Real-Time Sports Betting Prediction Engine

Fall 2025

- Lead Engineer | Python, LightGBM, Redis, DuckDB
- Built a real-time ML system predicting sports outcomes from vendor odds and play-by-play streams.
- Engineered scalable, low-latency ML pipelines achieving sub-**250ms** inference latency.
- Developed backtesting and hyperparameter tuning workflows to validate and optimize model accuracy.

### InsiderEdge – Insider Stock Trading ML Platform

Winter 2025

- Lead Engineer | C#, ML.NET, Azure
- Developed .NET-based ML pipelines combining LightGBM and time-series anomaly detection to flag insider-driven trading signals.
- Ingested SEC filings, price, and sentiment data for feature generation and real-time forecasting.
- Automated model retraining and inference through Azure-hosted services for continuous deployment.

## SKILLS

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**Languages & Frameworks:** Python, C#, Java, TypeScript/JavaScript, Node/Next.js, React, ASP.NET Core, Flutter, SQL, PowerShell, HTML/CSS

**Machine Learning & Modeling:** ML.NET, LightGBM, XGBoost, scikit-learn, PyTorch, SSA, PCA, Anomaly Detection, Feature Engineering, Predictive Modeling, MLOps

**Backend & Data Engineering:** REST API Development, Entity Framework Core, Redis, DuckDB, Kafka/Redpanda, FastAPI, Parquet, Data Ingestion Pipelines, SQLite, Azure SQL, PostgreSQL

**DevOps & Cloud Infrastructure:** Azure App Service, Docker, Kubernetes, Ansible, Linux, CI/CD Pipelines, Hangfire, GitHub Actions

**Tools & Observability:** Git, Prometheus, Grafana, AppDynamics, Datadog, Dynatrace, Serilog, SolarWinds

## CERTIFICATIONS & AWARDS

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### SRE: Foundations Certification — DevOps Institute

Fall 2025

Dean's List

Fall 2023