

EDUCATION

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- **University of Wisconsin Madison** Madison, WI
B.S. Computer Science; GPA: 3.75/4.00 May 2019

EXPERIENCE

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- **CommonBond** New York City, NY
DevOps Engineer July 2019 - Current
 - **GitlabCI**: Created new CI for golang projects which included parallelized build/test, code quality/security, isolated regression testing, and consistent kubernetes deployments. Migrated majority of existing projects to new CI.
 - **AWS**: Managed all AWS infrastructure with terraform. Created resources for new projects, and modularized existing terraform code and common infrastructure.
 - **Kubernetes**: Maintain, Upgrade, Improve kubernetes cluster performance and reliability
 - **Prometheus**: Maintain, Upgrade, Improve monitoring capabilities with prometheus alerting and grafana monitoring
 - **Service Mesh**:
 - **On-Call**: Participated in on-call rotation with other DevOps engineers. Resolved errors in gitlabci, jenkins jobs, lambdas, networking firewalls, DNS, schema changes, Looker reporting, ETL failures, and Kubernetes deployments.
 - **Data Engineering**:
 - **NATS Streaming**:
 - **GitOps**:
 - **S&C Electric** Chicago, IL
DevOps Engineer Intern May 2018 - Aug 2018
 - Configured new testing machines into Jenkins pipelines. Troubleshooted build errors and network configuration.
 - **S&C Electric** Chicago, IL
Software Engineer Intern Sep 2017 - Dec 2017
 - Created ML models with pandas and sklearn to predict failure causing events on injection molding machines
 - **Domtar** Nekoosa, WI
Software Engineer Intern Jan 2017 - Aug 2017
 - Developed C# apps that pull metrics, set limits, and display alarms/logs to operators and management.

SELECTED PROJECTS AND CONTRIBUTIONS

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- **Gitlab-Python API**: Adds gitlab-kubernetes cluster management feature to popular open-source project which provides a python-api to manage gitlab
 - **LinkerD Route Dashboard**: Provides a grafana dashboard showing route-level metrics for the LinkerD service-mesh
 - **Redis Helm**: Discovered and provided MR to fix bug preventing high-availability of redis-clusters running on Kubernetes. Improved helm chart customizability.
 - **AutoGui**: Personal open-source python/C# library for Windows GUI automation/testing using element properties.

PROGRAMMING SKILLS

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- **Languages**: Golang, Python, Java, C, SQL, C#
 - **Technologies**: Gitlab, Jenkins, AWS, Terraform, Prometheus, Redshift, Looker, NATS

CERTIFICATIONS

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- AWS Solution Architect Associate
 - AWS Developer Associate
 - AWS SysOps Administrator Associate
 - CKA - Certified Kubernetes Administrator
 - CKAD - Certified Kubernetes Application Developer