# SEAN LYONS

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## EDUCATION

**Clarkson University**                                                                      *December 2014*
B.S. in Computer Science & Mathematics
GPA: 3.85

## EXPERIENCE

**Favor**                                                                            Nov 2022 - Present
*Tech Lead*                                                                                   *Austin, TX*

· Designing and building marketing technology platform using third party tooling [PHP / Kafka / Segment]
· Optimizing core search for customer engagement [Elasticsearch / Kafka / ML ]
· Designing and building content recommendation system [Elasticsearch / Kafka / ML ]

**Amazon Web Services**                                                              Jul 2021 - Nov 2022
*Senior Software Engineer*                                                                    *Austin, TX*

· Contributed across the control plane and data plane of Amazon Managed Prometheus
· Designed Kubernetes controllers to speed up data plane deployments [Golang / Typescript / CDK]
· Refactored metering pipelines to implement more robust error handling [Typescript / CDK]

**Symbiont**                                                                         Sep 2018 - Jul 2021
*Senior Software Engineer*                                                                  *New York, NY*

· Developed highly available and linearizable distributed ledger software [Golang / Kubernetes / Docker]
· Reduced CI pipeline duration by 75% with improved testing practices [Golang / Bazel]
· Developed automated Jepsen chaos testing suite [Clojure]

**iHeartRadio**                                                                      Mar 2018 - Sep 2018
*Senior Site Reliability Engineer*                                                          *New York, NY*

· Engineered migration to new observability platform [Golang / Prometheus / Grafana]
· Modernized deployment tooling for audio streaming infrastructure [Terraform / Ansible]

**Commonbond**                                                                       Mar 2016 - Mar 2018
*Lead Software Engineer*                                                                    *New York, NY*

· Engineered event-driven auth and product backends [Java / Scala / Kafka]
· Implemented continuous integration and deployment pipelines [Gitlab / Kubernetes / Docker]

**FactSet**                                                                     January 2015 - Mar 2016
*Software Engineer*                                                                         *New York, NY*

· Developed financial news applications and critical news delivery systems [Perl / JavaScript / MySQL]

**The Mathworks**                                                               January 2015 - Mar 2016
*Software Engineering Intern*                                                                 *Natick, MA*

· Contributed to internal libraries powering Simulink fixed-point tooling [C++]