

# Joseph Norman

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Website: <https://winecraft.dev> | <https://github.com/winecraft-dev>

## EDUCATION

### University of Texas at Dallas / M.S. Computer Science

AUGUST 2021 — MAY 2022

### University of Texas at Dallas / B.S. Computer Science

AUGUST 2018 — MAY 2021

**SKILLS:** Go, AWS, Kubernetes, Terraform, React.js, Django, Java

**AWARDS/CERTIFICATIONS:** Eagle Scout, AWS Certified Solutions Architect - Associate

## EXPERIENCE

### Capital One / Senior Associate Software Engineer

AUGUST 2022 — SEPTEMBER 2024 | New York, NY

- Contributed to transitioning **Kubernetes** platform from legacy to Amazon EKS, working with the team to create **Terraform** tooling for spinning up clusters for AI/ML teams
- Configured Karpenter autoscaling with Terraform to automate node group management and wrote tests to ensure proper scaling for workloads
- Led the POC for a scaling Kubernetes service in **Golang** on the feature platform to prevent resource conflicts, provisioning EC2, containers, ALBs, and DNS to give AI/ML teams dedicated, scalable resources

### Samsung Austin Semiconductor / Software Engineer Intern

MAY 2021 — AUGUST 2021 | Austin, TX

- Set up a private NPM proxy and developed Usage Tracking in **Javascript** to report user statistics to a **React** dashboard, helping my team optimize code sharing and identify usage patterns by the Chemical Engineers we supported

### Aleph Technologies LLC / Web Development Intern

SEPTEMBER 2019 — DECEMBER 2019 | Plano, TX

- Contributed to the Scrum Training Event shop (**Django/JQuery**) and collaborated with a team to build the company website using **React**.

### J.H.S. 157 Halsey Middle School / Substitute Teacher

MARCH 2025 — JUNE 2025 | Queens, NY

- Substituted for the 6th Grade STEM teacher on maternity leave, implementing a 3D-printed bridge unit and teaching students the Engineering Design Process using TinkerCAD

## PROJECTS

### Jello Thompson Visuals Portfolio Website / [jellothompson.com](http://jellothompson.com)

REACT.JS, HTML, CSS, DOCKER

- Designed a portfolio website for Jello Thompson using React, helping him secure a studio job through his professional online presence

### Hardware Project Blog / [winecraft.dev/blog/making-a-musical-matrix](https://winecraft.dev/blog/making-a-musical-matrix)

GOLANG, REACT

- Showcased hardware projects (CAD, 3D printing, electronics) on my blog, including the LED Musical Matrix, to highlight hands-on engineering during my time off