

# Madelynn Blue

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<https://madelynn.blue/>  
<https://github.com/madelynblue>

## Work Experience

Apr 2025–Present	<b>Temporal</b> Software Engineer. <i>go, pebble</i> Implemented features for the core backend data service.
Sep 2024–Mar 2025	<b>Triton</b> Software Engineer. <i>rust, python, sql, aws</i> Implemented a product for data analysis.
Aug 2020–Aug 2024	<b>Materialize</b> Software Engineer. <i>rust, sql</i> Designed and implemented features near the SQL layer including system architecture, wire protocol, correctness, transactions, authentication, ingress balancer. Designed and implemented features for the SaaS cloud product.
Dec 2015–Aug 2020	<b>Cockroach Labs</b> Staff Engineer. <i>go, sql</i> Automated the finding of hundreds of bugs in CockroachDB using <a href="#">SQLsmith</a> and other randomized testing. Designed and implemented features for CockroachDB including driver protocol, SQL functions and types, distributed CSV import, and Kerberos authentication. Maintainer of <a href="#">lib/pq</a> , a Go Postgres driver.
July 2015–Nov 2015	<b>CoreOS</b> Software Engineer. <i>go, python, kubernetes, docker</i> Features and maintenance for <a href="#">Quay.io</a> .
Mar 2012–July 2015	<b>Stack Overflow</b> Software Engineer. <i>go, c#, javascript, sql-server, angularjs</i> Features and maintenance for Stack Overflow Careers. Internal applications for the SRE team. Primary author of <a href="#">Bosun</a> , a Go-based monitoring and alerting system.
June 2011–Mar 2012	<b>Seagate Technology</b> Senior Engineer. <i>python, mysql</i> Wrote and maintained various custom tools and web apps to address or discover internal issues.
2000–2015	<b>US Geological Survey</b> Consultant. <i>java, sql, php, c++</i> Worked with a scientist to implement algorithms in usable programs.

## Selected Software Development

<a href="#">goread</a>	Open-source RSS reader in Go, on App Engine with AngularJS. Was profitable, with hundreds of paying users.
<a href="#">sqlfum.pt</a>	SQL formatter with algorithmic line breaking.
<a href="#">acre</a>	LSP client for the acme editor, written in Rust.

## Education

2009	<b>M.S., Electrical Engineering</b> <i>Colorado State University.</i> TA for EE451 (Digital System Design), EE571 (VLSI System Design).
2007	<b>B.S., Computer Engineering</b> <i>Colorado State University.</i> Second place at E-days competition for our pipe/electronic organ. I conceived and led the project. I taught myself Verilog, programmed the FPGA, and wrote a paper on a new method for synthesizing pipe organs.
2007	<b>B.M., Piano Performance</b> <i>Colorado State University.</i> Wendel Diebel award for musicianship. Also learned quite a bit of organ.