



## Skills

### LANGUAGES

Go Typescript Python PHP

C# Java SQL ...

### FRONTEND FRAMEWORKS

React Vue Tailwind ...

### APPLICATION TOOLING

Kubernetes Kafka gRPC

Temporal Prometheus OPA

NGINX Terraform ...



## Projects

### NP Auth

- ABAC + RBAC Golang microservice that powers thousands of authorization decisions per day.

### Georestriction Mapper

- Automated Temporal workflow that generates Open Policy Agent bundles from Postgres + BigQuery to S3 bucket

### API Filter Worker

- Cloudflare Worker for redacting API results for users requiring geographic restrictions, using OPA WASM and Cloudflare D1

### Carbon Dashboard

- Serverless Typescript API storing carbon data using Cloudflare Workers and Workers KV

### Software Excellence Worker

- Built asynchronous workflow for measuring Cloudflare's software quality against internal best-practices.

### Augustus Proof of Concept

- Led technical implementation on a fine-grained access control with dynamic policy inputs from Salesforce and Zendesk

## FULLSTACK DEVELOPER

# Daniel Herzig

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## Education

Rochester Institute of Technology, Rochester, NY Graduated December 2018

Bachelor of Science in Computer Science, Magna Cum Laude

Overall GPA: 3.66

Awards: Kenneth and Margaret Reek Scholarship, Dean's List, Undergraduate Research & Creativity Presentation Finalist

Google Applied Machine Learning Intensive, Oakland, CA

Cohort Student

February – April 2019

- Selected from over 600 applicants as one of a 21-person cohort to take part in a ten-week, project-based Machine Learning pilot program fully funded by Google at Mills College for 9 credits.
- Analyzed and cleaned visual data, and trained **machine learning** models against various large data sets, including identifying modeling issues and adjusted input data accordingly.

## Work Experience (See website for full employment history)

Cloudflare, Austin, TX

Senior Systems Engineer, Tech Lead

August 2019 – Present

- Replaced database driven RBAC authorization system with a fine-grained microservice, written using **Golang** and **Open Policy Agent**, used by of thousands of users monthly.
- Formally recognized as an “Extraordinary” contributor by executive leadership and Cloudflare’s board of directors. (Details upon request).
- Upskilled fellow engineers on best practices of **observability**, **documentation**, and **code cleanliness** through PR reviews and learning sessions.
- Lead team of engineers and product to build self-serve support tooling for Cloudflare’s customers.
- Launched alerting platform for Cloudflare customers on certain event triggers through **Kafka**, **Golang** and **Postgres**.
- Led “squads” of coworkers in triaging and tackling **JIRA** tickets for over 10 independent application services.

Center for Campus Life, Rochester, NY

Web Developer

January 2016 – December 2018

- Developed campus applications with **Vue**, **mysql**, and **Express** for use by thousands of students.

Ellucian, Rochester, NY

Software Development Intern

May 2018 – August 2018

- Utilized **AWS** ElastiCache to resolve concurrency issues within **Express.js** REST APIs.
- Developed and tested **Express/Node.js** REST APIs through **test-driven development** with Mocha / Chai.
- Delivered code bi-weekly to customers in Agile sprints.

Praxair, Tonawanda, NY

Software Developer

June 2017 – December 2017

- Developed **ASP.NET** web applications using C#, Visual Studio, and MSSQL.