

Paul F. Esch-Laurent

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EDUCATION

Michigan Technological University Houghton, MI – *B.S. Computer Engineering*

SEP. 2014 – MAY 2019

- Cumulative GPA: 3.20. Department GPA: 3.34.
- VP of [Linux / UNIX Users Group](#) and [Humane Interface Design Enterprise](#).
- Core organizer of Michigan Tech's homebrew hackathon: [Winter Wonderhack](#).

EXPERIENCE

Target Corporation Minneapolis, MN – *Software Engineer*

JUL. 2019 – PRESENT

- Lead creation of a JVM (Micronaut) service to inject Consul & Vault contents into a serverless runtime.
- Wrote utility to take logs emitted from a React frontend and make them consumable in a log aggregator.
- Configured NGINX to QoS traffic by redirecting Kubernetes NodePort(s) to reduce VLAN congestion.
- Implemented a workflow tightly coupled with Git & CI to standardize Spinnaker pipelines across HQ.
- Stood up an internal pastebin service to support ephemeral text content sharing within HQ.

24G Clawson, MI – *Software Development Co-op & Intern*

JAN. 2017 – AUG. 2017, MAY 2018 – AUG. 2018

- Created a CMS using Vue.js powered by a RESTful API and WebSockets for real-time data transmission.
- Worked with the AWS stack including DynamoDB, S3, Lambda, and API Gateway.
- Architected an internal web boilerplate featuring code minification and asset revisioning.

Sungem Petoskey, MI – *Web Developer Intern*

MAY 2016 – AUG. 2016

- Developed and designed websites for an in-house custom-built CMS, Shopify, and Squarespace.
- Assisted in server administration including NGINX configuration and SSL/TLS certificate installation.
- Implemented API integration with Google APIs and an in-house SQL and PHP powered API.

PROJECTS

WhenIsGucci Event scheduling web app

Scheduling application inspired by [WhenIsGood.net](#) rapidly developed in 8 weeks using agile practices.

- Implemented backend logic including routes, MongoDB transactions, and SendGrid API integration.
- Configured NGINX with Let's Encrypt to serve the reverse-proxied Node.js application.

Blog My thoughts & opinions: published

My personal blog: containing a mix of technical and non-technical life musings.

- Custom theme featuring a light & dark themes, keyboard shortcuts, and improved typography.
- Contributed upstream to the open source blogging platform, [Blot](#).

KEY: VALUES

- **Coffee:** yes, please. Preferably a light to medium roast served black. Pour-over, if possible.
- **Learning:** always. Life—both mine and yours—is better when we can better ourselves.
- **Interests:** full-stack web dev, automation, chasing the perfect cup of coffee, finding my N=1 bike.
- **Buzzwords:** CI/CD, serverless, dogfooding, the Cloud, IoT, devops, *-as-a-service, et al.