

MAX ERENBERG

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[[LinkedIn](#)] [[GitHub](#)] [[Website](#)]

EXPERIENCE

Software Developer | AMD

May. 2022 - current

- Design and implement tests in CUDA/HIP for pre-silicon validation of datacenter GPUs on hardware emulation
- Use problem-solving skills to debug application failures across multiple software, firmware and hardware domains
- Design and implement tools to partially automate debugging of waveforms and PCIe transaction logs for post-mortem analysis

Engineering Intern | Mattermost Inc.

Jan. 2021 - Apr. 2021

- Sped up the execution time of data compliance report generation by 2-3x using keyset pagination in SQL queries
- Implemented the CRUD API for a granular data retention policy feature in Go
- Identified and fixed bugs related to LDAP synchronization and Single Sign-On
- See all of my commits and PRs on the [public GitHub repo](#)!

Web and Cloud Developer | SAP Canada

May 2020 - Aug. 2020

- Designed and implemented new UI features for the web frontend of the HANA database, including more intuitive file searching and faster client-side filtering
- Wrote design documents and implemented backend capabilities for the web app in Node.js and SQL, including recursive searching and memory-efficient compressed file streaming

See more places where I've worked on my [LinkedIn](#) profile.

SIDE PROJECTS

[CabbageMeet](#), Jan. 2023

- Designed and implemented both the frontend and backend for a web app for scheduling group meetings using React, Redux, Nest.js, TypeORM, and Postgres
- Designed and wrote unit tests and E2E tests using Jest and Playwright

[xidlechain](#), Feb. 2021

- Created a lightweight power management tool for Linux in C++, forked from the open source code from Chromium OS
- Read the documentation and used the APIs for low-level libraries including Xlib, Pulseaudio, and GLib

EDUCATION

Bachelor of Computer Science | University of Waterloo

Sep. 2017 - May 2022