

# MAX ERENBERG

Email: [merenber@uwaterloo.ca](mailto:merenber@uwaterloo.ca)

[[LinkedIn](#)]

[[GitHub](#)]

[[Website](#)]

## EXPERIENCE

Display Solutions Team Coop | AMD

Aug. 2021 – current

- Assist in the design and implementation of new AMD GPU driver features for the Windows operating system (C++)
- Use problem-solving skills to debug issues in kernel drivers and firmware
- Write GUI apps for stress testing new driver features

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.

## EXTRACURRICULARS

System Administrator, Computer Science Club, Jan. 2021 – present

- I learn about and maintain a variety of open source software services for our members, including email, mailing lists, Mattermost, video conferencing, web hosting, NFS file share, LDAP, Kerberos, etc.
- I also experiment with and [write documentation](#) for many of the technologies we use

## HACKATHONS AND SIDE PROJECTS

[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

Candidate for Bachelor of Computer Science | University of Waterloo

Sep. 2017 – present