MAX ERENBERG

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EXPERIENCE

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, SAML authentication, 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

On The Radar, Feb. 2020
- Wrote an Android app with three team members which would locate nearby events on campus using geolocation
- Wrote a backend web service in NodeJS which would be called by the app to access user information stored in MongoDB

EDUCATION

Candidate for Bachelor of Computer Science | University of Waterloo
Sep. 2017 – present