Andrew March

Software Developer

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EXPERIENCE

[Support A Troop](#), Remote — *CTO/Software Engineer*

March 2017 - PRESENT

Developed and maintained a cross-platform mobile app in React Native, and accompanying Web App in React. Full Stack role building a social e-commerce mobile app and web app using real-time NoSQL database, Stripe integration, notifications, authentication, and much more.

https://apps.apple.com/us/app/support-a-troop/id1495734737

[Cabaret Voltaire Society](#), Victoria — *Freelance Mobile App Developer*

Jan 2022 - PRESENT

Developed and published a cross-platform mobile app in React Native, which utilizes Google Maps API, and an audio backend, to create a virtual site-specific audio performance art festival-in-an-app.

https://apps.apple.com/ro/app/hex-app/id1628415132

[Ultra Palace](#), Victoria — *Lead Software Engineer*

Jan 2020 - PRESENT

Lead software engineer in a collaborative electronic engineering collective. Both an informal collaborative practice, and a slow-growing brand, Ultra Palace produces fun and inspiring tools for musicians and audio engineers, as well as custom solutions to clients seeking product development in the consumer electronics space.

http://ultrapalace.com/

Monk Office, Victoria — *Freelance Software Engineer*

May 2020 -July 2020

Worked on a freelance basis on a variety of proprietary tools for inventory and database management. Authored a suite of native Windows headless applications using NodeJS and NEXE.

SKILLS

Fluent in React, React Native, NodeJS, HTML, CSS, C, C++.

Well versed in Git, Firebase, SQL, Serverless architecture, cloud infrastructure.

Strong skills in communication, collaboration and leadership.

Self-motivated, passionate, curious, mindful engineer.

EDUCATION

NSCAD, Halifax — *BFA*

Sept 2000 - May 2009

Completed an interdisciplinary Bachelor of Fine Art.

CCTV, Victoria — *Mentorship in Electronic Engineering*

May 2018 - August 2021

Completed a long mentorship with Filip Pietruszewski, Electronic Engineer, and now friend and collaborator. Focuses on PCB design, Microcontroller programming and principles of electronic engineering.

PROJECTS

[WVR](#) — *An open-source ESP32 development board for audio*

Created a kickstarter campaign which was %175 funded, designed and manufactured an audio development hardware platform based on ESP32 MCU. Authored and maintained an Arduino library on GitHub to accompany it. Built and managed a small community of participants with a community forum and public GitHub repo. WVR leverages the ESP32's WiFi capability to allow users to upload audio, manage configuration, and experiment with custom firmwares, wirelessly, via an extensible browser based GUI.

[TASKLR](#) — *A team-oriented, realtime task allocation Web App.*

Collaborated with a friend to create a realtime web app for development teams, where users can create, manage and allocate tasks, and track progress through projects, with realtime updates across users. Completed the front and back end of the app, and soft-launched a beta version, before deciding to discontinue development.

[Campus Radio Radio](#) — *A hardware device and companion Web App supporting and promoting the culture of Campus and Community Radio.*

Developed and manufactured a tabletop internet radio which exclusively streams Campus Radio stations in Canada. The radio is powered by an ESP32 microcontroller, includes an integrated amplifier and speaker in a hand-made enclosure made from cedar wood and is open source and 'hackable'. Also developed a Web App version of the device. Collaborated with CFUV, the UVic Campus Radio station, to promote the project, and supplied them and other stations with donated devices to re-sell as part

of their own funding campaigns.

expo-error-log — *An free DIY alternative to Sentry*

Authored and maintained expo-error-log, an open source, modular and minimalistic alternative to Sentry for Expo-hosted React Native apps. Expo-error-log parses and sybolicates source-maps and stack traces, working with any database to store error logs, with a CLI tool to display them. Expo-error-log currently averages 130 weekly downloads.