

Mitchell McMillan

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Atlanta, GA

Full-stack software engineer with 8 years of React/React Native experience. Featured in *Apps We Love* (Apple), *Cosmopolitan Magazine*, and *UploadVR*. Ph.D. from the University of Toronto (Ontario Trillium Scholar). Currently a postdoc at Georgia Tech with focus on scientific computing.

Skills

Languages TypeScript, Python, R, Matlab, C#, C++, Objective-C, Java

Technologies React, React Native, Node, Redux, Firebase, Git, Docker, GIS, Astro, Tailwind

Relevant Experience

Full-Stack Engineer, Mixel Jun 2017 – Mar 2025

- Built *Mixel* app for (iOS & Android) in React Native since 2017 (since RN 0.41).
- Built 117 components, 49 screens, and 19 Redux state slices for Mixel.
- Achieved \$10k monthly revenue and 4.7 stars on the App Store (1.2k ratings).
- Maintained up-to-date, modern tech stack (React Hooks, Typescript, Redux Toolkit, Expo CNG, EAS Build, and React Compiler).
- Created *mixelcocktails.com* as a hybrid-rendered web app with Astro, Tailwind, and Vercel.

Lead Engineer, PocketStrafe Jun 2016 – Jun 2017

- Created *PocketStrafe* app (native iOS, Android, Windows), an innovative solution for locomotion within immersive VR experiences.
- Gained experience tracking sensor data and communicating over UDP sockets.

Earth Scientist, currently Georgia Institute of Technology Jan 2014 – Mar 2025

- Developed scientific software in C, C++, Python, Matlab, Julia, and R.
- Communicated complex ideas through writing, speaking, and graphics.
- Published 11 peer-reviewed papers, 8 as first author.
- Delivered talks at large conferences (American Geophysical Union) and international meetings (invited seminars at Oxford University and Johannes Gutenberg-Universität Mainz).
- Obtained 3.5 years of full-time funding by writing 2 successful grant proposals.

Exploration Geologist, Longleaf Energy Group May 2012 – Jan 2014

- Developed, presented, and evaluated drilling prospects.
- Modeled subsurface characteristics using well log and 3D seismic data.

Education

University of Toronto – Ph.D. in Earth Science 2022

- Ontario Trillium scholar (\$40k/year), 7 publications

University of West Florida – Master of Science in Environmental Science 2016

- Outstanding Master's Thesis Award, 3 publications

University of Alabama – Bachelor of Science in Geology, *summa cum laude* 2012

- Double major in Geology & Latin, minor in Mathematics