

Jonathan Sumner Evans

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🧰 WORK EXPERIENCE

Software Engineer — Beeper — Remote July 2021 - Present

- Implemented a LinkedIn Messages bridge in **Python**.
- Built a Chatwoot bot in **Go** to help streamline our support team's process.
- Improved the Signal bridge's reliability by contributing to upstream, and improving logging and metrics.
- Instrumented metrics for measuring message send latency and reliability.
- Defined a framework for importing users' chat history, and implemented it in the WhatsApp and Facebook bridges.
- Worked on a team to implement an unfederated homeserver called Hungryserv for optimizing bridge traffic.

Adjunct Professor — Colorado School of Mines — Golden, CO Aug. 2018 - May 2019, Aug. 2020 - Present

- CSCI 400 **Principles of Programming Languages** in Spring 2019, Fall 2020, Fall 2021, and Fall 2022.
Topics Included: programming language evaluation, Python, Lambda Calculus, functional programming, Racket, OCaml, programming language implementation.
- CSCI 406 **Algorithms** in Fall 2018 and Spring 2022.
Topics Included: analysis of algorithms, evaluation of data structures, sorting algorithms, graph algorithms, dynamic programming, and NP-completeness.
- CSCI 564 **Advanced Computer Architecture** in Spring 2021.
Topics Included: cache, pipelining, memory hierarchy, virtual memory, branch prediction, multiprocessor architectures, and cache coherence.

Software Engineer — The Trade Desk — Denver, CO June 2019 - July 2021

- I was responsible for building features related to Connected TV across the entire stack including the **C#** backend, the **React** frontend, and the **SQL Server** database.

Software Developer — Can/Am Technologies, Inc. — Lakewood, CO Feb. 2013 - Aug. 2016

- Designed and built new features for Teller, an enterprise point-of-sale system for municipal governments.
- Implemented plugins to integrate Teller with external vendors including Bank of America and Tyler Tech.

📖 EDUCATION

Colorado School of Mines — Golden, CO — M.S. Computer Science — 4.0 GPA Aug. 2018 - May 2019

- Worked on a project with Dr. Mehta to automate group selection in CSCI 406 Algorithms and improve the algorithms used in that process.
- Chair of Mines ACM, Service Chair of Tau Beta Pi, **Linux** Help Guru of Mines Linux Users Group (LUG)

Colorado School of Mines — Golden, CO — B.S. Computer Science — 3.9 GPA July 2016 - May 2018

- Outstanding Graduating Senior for Computer Science

Red Rocks Community College — Lakewood, CO — 67 Credit Hours — 4.0 GPA Aug. 2012 - May 2016

</> NOTABLE PROJECTS

Sublime Music (Author) — gitlab.com/sublime-music/sublime-music — GPLv3 November 2018 - Present

- A native Subsonic client for Linux built using **GTK** and **Python**.

Nix Home Manager (Maintainer) — github.com/nix-community/home-manager — MIT April 2021 - Present

- I am a maintainer with write-access to the project repository. I review and merge contributions to the project as well as contribute fixes myself.

🏆 PRIZES AND AWARDS

- *First Place* at the 2018 Facebook Global Hackathon Finals at Facebook HQ for *HypAR Map* November 2018
- *Fourth Place* in 2018 Regional ACM International Collegiate Programming Contest (ICPC) November 2018