

# Jonathan Sumner Evans

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## 📁 WORK EXPERIENCE

**Software Engineer** — Beeper — Remote

*July 2021 - Present*

- Core member of a team which implemented a **Matrix** homeserver called Hungryserv which enabled us to scale from hundreds of users to tens of thousands of users.
- Implemented a LinkedIn Messages bridge in **Python**.
- Built a Chatwoot bot in **Go** to help streamline our support team's process.
- Instrumented bridge metrics for measuring message send latency and reliability. Built a service to process those metrics and send them to BigQuery.
- Defined a framework for importing users' chat history, and implemented it in the WhatsApp, Facebook, Instagram, and iMessage bridges.

**Adjunct Professor** — Colorado School of Mines — Golden, CO

*Aug. 2018 - Present*

- CSCI 406 **Algorithms** in Fall 2018, Spring 2022, and Fall 2023.  
*Topics Included:* analysis of algorithms, evaluation of data structures, sorting algorithms, graph algorithms, dynamic programming, and NP-completeness.
- CSCI 341 **Computer Organization** in Spring 2023.  
*Topics Included:* RISC-V assembly, computer arithmetic, processor design, and memory hierarchy.
- 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 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*

**Software Developer** — Can/Am Technologies, Inc. — Lakewood, CO

*Feb. 2013 - Aug. 2016*

## 📖 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](https://gitlab.com/sublime-music/sublime-music) — GPLv3

*November 2018 - Present*

- A native Subsonic client for Linux built using **GTK** and **Python**.
- Allows users to connect to multiple Subsonic API-compliant servers and browse and play songs from them.

**Nix Home Manager** (Maintainer) — [github.com/nix-community/home-manager](https://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*