Jonathan Sumner Evans

sumnerevans.com | resume@sumnerevans.com | linkedin.com/in/sumnerevans
github.com/sumnerevans | gitlab.com/sumner | stackoverflow.com/users/2319844/sumner-evans

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, Facebook, and Instagram 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 341 **Computer Organization** in Spring 2023.
  Topics Include: 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 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

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 — 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 — 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

Last Updated: January 16, 2023