Jonathan Sumner Evans

resume@sumnerevans.com • [m] @sumner:nevarro.space

sumnerevans.com
linkedin.com/in/sumnerevans
github.com/sumnerevans
stackoverflow.com/users/2319844/sumner-evans

WORK EXPERIENCE

Software Engineer — Beeper — Remote *July 2021 - Present*

- Started a project to build a **Matrix**-compatible homeserver written in **Go** called Hungryserv which enabled us to scale from hundreds of users to tens of thousands of users. Currently a core member of the team formed to productionize and maintain the project.
- Reverse-engineered the LinkedIn Messaging API and implemented a LinkedIn bridge in **Python**.
- Streamlined our support team's ability to chat directly with users by building a Chatwoot bot in **Go**.
- Measured message send **latency and reliability** by instrumenting bridge **metrics**. 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 (in-progress) iMessage bridges.
- Building and modifying various backend services for managing our **Kubernetes**-based infrastructure.

Adjunct Professor — Colorado School of Mines — Golden, CO *Aug. 2018 - Present*

- CSCI 406 **Algorithms** in Fall 2018, Spring 2022, and Fall 2023.
  Topics Include: graph algorithms, dynamic programming, NP-completeness.
  - Designing new homework assignments for students who took an updated set of prerequisite courses.
- CSCI 341 **Computer Organization** in Spring 2023.
  Topics Included: RISC-V assembly, computer arithmetic, processor design, memory hierarchy.
- CSCI 400 **Principles of Programming Languages** in Spring 2019, Fall 2020, Fall 2021, and Fall 2022.
  Topics Included: Lambda Calculus, functional programming in OCaml, programming language implementation.
- CSCI 564 **Advanced Computer Architecture** in Spring 2021.
  Topics Included: cache coherence, virtual memory, branch prediction, multiprocessor architectures.
  - Developed improved starter code for two projects and created another project from scratch.
  - Created in-class worksheets to add an interactive element to the course.

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*

- 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) — github.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*

TALKS AND PRESENTATIONS

- **Hungryserv: A Homeserver Optimized for Unfederated Use-Cases** — Berlin Matrix Summit *August 2022*
  Discussed a Matrix-compatible homeserver that Beeper uses to handle unfederated bridge traffic.

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: August 24, 2023