

# Reuben Beeler

[ReubenBeeler.me](https://ReubenBeeler.me) | [LinkedIn.com/in/ReubenBeeler](https://LinkedIn.com/in/ReubenBeeler) | [GitHub.com/ReubenBeeler](https://GitHub.com/ReubenBeeler)

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Full-Stack Software Engineer with 1+ years of experience in industry and 1+ years in academia.

## WORK EXPERIENCE

### Scientific Developer Intern

[Cadence Molecular Sciences](#) | Santa Fe, NM

Jul 2024 – Sep 2024

- Accelerated a crucial optimization algo by 20%, streamlining drug discovery for [19+ leading pharma customers](#).
- Engineered efficient processing and visualization workflows for 100GB+ datasets in Python (Scikit-learn, Matplotlib).
- Presented a final project to 50+ scientists via Powerpoint.

### Research Intern

[Computer Security Group at UCSB](#) | Santa Barbara, CA

Jun 2023 – Sep 2023

- Initiated a patch in SteamVR, protecting an estimated 100,000+ users from remote keylogging attacks in VR.
- Contributed to a research paper accepted to USENIX 2024 on keylogging vulnerabilities found in 18 VR applications.
- Automated data pipeline with OpenVR and Wireshark Lua plugins, achieving the project's key milestone in 6 weeks.

### Mobile Application Developer Intern (Backend)

[Telaeris, Inc.](#) | San Diego, CA

Jun 2022 – Sep 2022

- Deployed fingerprint biometrics into the flagship Android app using Java multithreading, impacting 10k+ end-users.
- Resolved a critical compatibility issue with third-party ISO templates, improving portability and customer experience.

### Mobile Application Developer Intern (Full-Stack)

[Telaeris, Inc.](#) | San Diego, CA

Jun 2021 – Dec 2021

- Built Flutter frontend and SQLite & Rust FFI backend, enabling cross-platform experience of the flagship application.
- Rapidly learned Dart, Flutter, SQLite, and FFI, fueling key contributions as early as the first week.

## EDUCATION

### Bachelor of Science in Physics and Computer Science

[University of California, Santa Barbara](#) | Santa Barbara, CA

Sep 2021 – Mar 2025

- University Honors | GPA: 3.97 (Computer Science), 3.82 (Physics), 3.88 (overall)

## PUBLICATIONS

- [Remote Keylogging Attacks in Multi-user VR Applications](#). Zihao Su, Kunlin Cai, Reuben Beeler, et al. In 33rd Usenix Security Symposium, USA, August 2024.

## CERTIFICATIONS

- [Java SE 11 Developer](#) | Oracle

November 29, 2021

## SKILLS

Machine Learning, Artificial Intelligence, Neural Networks, Deep Learning, Computer Vision, Scientific Computing, Parallel Computing, Quantum Computing, Software Security, Data Structures & Algorithms, Python, PyTorch, NumPy, SciPy, Matplotlib (Pyplot), Java, Android, x86\_64 assembly, Objective-C, C++, Bash, Linux, CUDA, Dart, Flutter, FFI, SQLite, gRPC, Protobuf, JSON, Git workflow, FPGA, CAD (Fusion 360), Oscilloscope

**Hobbies:** IRONMAN & Marathons, black belt in MMA, college rock band (sing, guitar, drums), backpacked John Muir Trail