WILLIAM (LIAM) SNOW

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EDUCATION

Worcester Polytechnic Institute   Worcester, MA

BS in Electrical and Computer Engineering   *Aug 2022 – May 2026*

MS in Computer Science

SKILLS

Languages: Rust, Golang, C, C++, Python, Java, C#, TypeScript, JavaScript, Lua, Swift

Technologies: SQL, SQLite, PostgreSQL, Kubernetes (k8s), Talos, Docker + Compose, GNU/Linux (Debian, Arch), Unix/Bash, Vim, Git, Gin, Axum, .NET, REST, GraphQL, AWS, GCP, Terraform, RTOS

EXPERIENCE

Phreesia, Inc.   Remote

Software Intern   *Jun 2023 – Aug 2024*

- Summer 1: Developed new feature prototype for Integrations Department using .NET, Websockets, and REST APIs.
- Summer 2: Parsed and embedded Confluence pages into ChromaDB. Setup vector search and RAG to give users quick answers while citing sources and link them to further reading.

Veripay, LLC   Remote

Backend Developer   *May 2024 – Jul 2024*

- Developed alpha prototype for startup in 10 weeks.
- Created AWS backend using Terraform. Programmed Lambda functions using Golang with Gin and PostgreSQL.

Advanced Survey Design, LLC   Remote

Software Contractor   *Jan 2022 – Feb 2022*

- Designed survey websites using .NET Core/C#. Migrated old .NET code to .NET Core.

Naval Postgraduate School   Monterey, CA

Software Intern   *Jun 2019 – Oct 2020*

- Worked under Professor Ray Gamache for two summers programming and assembling robots for his MS classes.
- Programmed LIDAR, ultrasonic, radar, AHRS, and GPS sensors in LabVIEW.

PROJECTS

ical-rs

- Developed efficient alternative ICalendar parser and serializer in Rust
- Fully implemented all ICalendar types and created macro to generate methods for all properties with their respective types (default and specified)
- Added support for non-standard (X & IANA) properties and parameters

tensleep

- Developed reliable multithreaded (tokio) Rust binary which runs on the Eight Sleep Pod 3 allowing for complete control over its functionality without any connection to the cloud.
- Implemented Axum API, UNIX socket communication to firmware + custom parsing, time-zone based scheduler, and thorough configuration options