

WILLIAM (LIAM) SNOW

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EDUCATION

Worcester Polytechnic Institute

BS in Electrical and Computer Engineering

MS in Computer Science

Worcester, MA

Aug 2022 – May 2026

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.

Software Intern

Remote

Jun 2023 – Aug 2024

- Summer 1: Developed new feature prototype for Integrations Department using .NET, Websockets, and REST APIs.
- Summer 2: Used Confluence API to fetch pages and embedded into ChromaDB. Setup RAG to give users quick answers while citing sources.

Veripay, LLC

Backend Developer

Remote

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

Software Contractor

Remote

Jan 2022 – Feb 2022

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

Naval Postgraduate School

Software Intern

Monterey, CA

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