

# WILLIAM (LIAM) SNOW

☎ +1 (831) 620-2176 | @ mail@liamsnow.com | in william-snow-iv | 🌐 liamsnow

## EDUCATION

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### Worcester Polytechnic Institute

*BS in Electrical and Computer Engineering*

*MS in Computer Science*

Worcester, MA

*Aug 2022 – May 2026*

## SKILLS

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

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

## EXPERIENCE

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### 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: 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

*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

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### 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