

Leo Smith

(701) 238-1625 • leosmith36@yahoo.com
linkedin.com/in/leomsmith • leomsmith.com

EDUCATION

Georgia Institute of Technology, Atlanta, GA

Master of Science in Computer Science

Jan 2025 – Present

- **Concentration:** Computing Systems

Concordia College, Moorhead, MN

Bachelor of Arts in Mathematics and ACS Chemistry

Aug 2018 – May 2023

- **Achievements:** *summa cum laude* (4.0 GPA), Dean's List (9 semesters)
- **Involvements:** Cross Country, Track & Field

SKILLS

- **Programming languages:** JavaScript, TypeScript, Go, Python, R, Java, HTML/CSS
- **Frameworks and libraries:** Node.js, Vue.js, Express, Bootstrap, Tailwind, Mongoose, Jest, BullMQ
- **Databases:** MariaDB, MongoDB, Redis, Elasticsearch, AWS S3
- **Development tools:** Git, GitLab, Docker, Kubernetes, Linux, Visual Studio Code
- **Other software:** RabbitMQ, OpenSIPS, FreeSWITCH

WORK EXPERIENCE

Voxtelesys, Fargo, ND

Software Engineer 2

Dec 2023 - Present

Software Engineer 1

May 2023 – Dec 2023

- Reduced billing time by 50% by migrating the billing and payment web servers to Node.js, rewriting database procedures, implementing concurrency, and optimizing PDF creation
- Built an interactive user interface with Vue.js for analyzing and troubleshooting calls using SIP packets
- Created a Node.js web server and SDK for programmatically initiating outbound calls
- Implemented dynamic 911 call routing into the SIP proxy servers, which allowed E911 geolocations to be attached to the call itself instead of the caller's phone number
- Designed and built a framework for adding one-time charges onto customers' recurring invoices, which drastically reduced the workload of the accounting team
- Developed a user interface and billing system for ordering and renewing 3CX licenses in the customer portal
- Implemented answering machine detection, payment method collection, and call recordings into the company's IVR system in Go
- Built a drag-and-drop user interface for creating IVR call flows using Vue.js, and developed a web server for handling executions of call flows

INTERNSHIPS

Voxtelesys, Fargo, ND

Software Engineer Intern

Dec 2022 – May 2023

- Streamlined customer address validation in the company's HUD by integrating with the Google address API
- Enhanced the accounting team's user interface by creating systems for managing ACH payments and sending late payment notices to customers
- Migrated daily summary reports to the customer portal and improved their performance by fetching call record data with Elasticsearch
- Redesigned the database architecture for authorizing outbound calls based on the caller's country code

Boise State University, Boise, ID

Machine Learning Researcher

May 2022 – Jul 2022

- Developed Bash scripts to generate and preprocess microstructure images of metal alloys
- Employed machine learning with Python and TensorFlow to predict material properties of metal alloys to within 7% of their actual values
- Streamlined microstructure image generation using phase-field simulations of spinodal decomposition