

# Michael Alberda

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## SUMMARY

Full-stack Software Engineer with over 3 years of experience designing, developing, and optimizing scalable web applications. Skilled in PHP, JavaScript, MySQL, and Laravel, with a strong foundation in computational mathematics and computer science. Adept at collaborating with Agile/Scrum teams to deliver high-quality, user-friendly solutions that improve performance, reliability, and client satisfaction.

## EDUCATION

University of Idaho, Moscow ID

May 2021

**Bachelor of Science in Mathematics**

Concentration: Computation Option

Minor: Computer Science

Boise State University, Boise ID

May 2023

**Bachelor of Science in Computer Science**

## EXPERIENCE

**Software Engineer** | Tovuti LMS | May 2022 – August 2025

- Deployed and Developed multiple LMS features using PHP, JavaScript, and MySQL, improving usability for 100,000+ end users.
- Designed, debugged, and maintained Laravel API endpoints used by mobile apps, increasing API reliability and reducing downtime to < 0.01%.
- Collaborated with product and design teams to create user-friendly reactive interfaces aligned with client requirements.
- Partnered with QA team to identify and resolve bugs, maintaining 99%+ uptime while improving reliability.
- Contributed to Agile meetings (sprint planning, sprint retro, daily standups), ensuring team communication and timely delivery of features and bug fixes.

**Software Development Intern** | Tap Network LLC | January 2022 – May 2022

- Created and implemented new features for an Ionic Mobile application, improving user experience and completing client requests.
- Documented existing codebase, increasing maintainability for future developers.
- Collaborated with an overseas team to enhance code quality, implementing best practices for scalability and maintainability.
- Worked closely with CEO to align technical work with business and client goals.

## Technical Skills

**Languages and Frameworks:** PHP, JavaScript, Laravel, Python, React, C, C++, Java

**Databases:** MySQL, SQL

**Tools and Platforms:** Git, Linux, AWS, Agile/Scrum, REST APIs

**Miscellaneous:** Debugging, Database Optimization, Scalable Systems, Technical Documentation, Network

**Hobbies/Interests:** Rock climbing, Building PCs, Running, Cooking