Stefan Gerber

stefan@gerbers.org | Committed To Accesability

Education

California State University Channel Islands | January 2025 - May 2026 (Expected Graduation)
Master of Science in Computer Science

- **Thesis Focus:** The investigation into novel efficiency gains of algorithmic complexity through applications of number and chaos theories.

Purdue University | August 2021 - December 2024
Bachelor of Science

- **Majors:** Pure Mathematics and Applied Mathematics
- **Minors:** Computer Science and Political Science

Professional Experience

Employment Lawyers Group
Solutions Engineer | February 2025 – Present

- Leads the migration of core legacy file, email, and web to the AWS public cloud.
- Creating solutions designed for scalability, low RTO, RPO, and cost optimization.
- Utilizes Cloudfront, EC2, Elastic Beanstalk, ELB, IAM, Lambda, Route 53, S3, and VPC.

Full Stack Software Engineer | December 2021 – February 2025

- Developed and maintained a fully connected proprietary hybrid cloud system, providing custom software solutions for the entire legal case lifecycle.
    - Web content management for SEO, SMS communication systems, automated document analysis, and referral tracking.

Technical Skills & Certifications

- **Programming Languages:** C, C++, Haskell, Java, JavaScript, Matlab, PHP, Python, Shell, SQL
- **Technologies & Tools:** 3JS, Adobe Suite, Ahrefs, AWS, Azure, Bootstrap, G4A, Git, LAMP, Linode, Mongo, RDP, SSH, Tailwind, Twilio, WHM, Wordpress.
- **Certification:** AWS Certified Solutions Architect Associate (SAA C03)

Leadership & Volunteer Work

Phi Kappa Tau | December 2021 – December 2023
Treasurer, Recruitment Chairman, and Vice President.

- Primary driver behind technology initiatives including the creation of organization websites, dedicated email service, and automated budgeting systems.