

# SPENCER DAVIS

## SOFTWARE ENGINEER | FULL-STACK DEVELOPER

(727) 692-0070 | [sdavis26@me.com](mailto:sdavis26@me.com) | Portfolio: [spencerdavis.dev](https://spencerdavis.dev) | [GitHub](#) | [LinkedIn](#) | Tampa Bay, FL

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### SUMMARY

Chemical engineer turned full-stack software developer, leveraging process-optimization expertise from Corning to build robust, user-centric applications. Focused on MERN stack development through Springboard (May 2025), plus Swift/Python side projects. My creative background in music/streaming fosters unique approaches to problem-solving. Eager to deliver data-driven solutions with real-world impact.

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### PROFESSIONAL EXPERIENCE

**Software Engineer in Training** | Springboard **Oct 2024 - May 2025 (Expected)**

- MERN (React, Node.js, Express, MongoDB) training with TDD, RESTful APIs, and Agile best practices.

**Freelance Music Producer & Audio Engineer** | Spencer Skyline **Aug 2016 - Oct 2024**

- Produced original music (15k+ streams) in Logic Pro, ran data-driven ads, and collaborated with bands.

**Partnered Content Creator** | Microsoft (Mixer.com) **Jan 2019 - Dec 2020**

- Achieved partner status and grew a 25K+ community via data-driven strategies and engagement.

**Process Engineer** | Corning, Inc **Jul 2015 - Aug 2016**

- Led cross-functional teams in optical-fiber innovation (patent submitted), improving prototype throughput.

**Mix Lab Engineer (Intern)** | Transitions Optical **Jun 2013 - Aug 2013**

- Created a barcode system to track photochromic solutions globally, reducing material traceability errors.

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### PROJECTS

**Quizzard** | [GitHub](#)

- Social quiz app with interactive quizzes, live leaderboards, and friends, secured by JWT auth.
- Technologies: React, TypeScript, Node.js, Express, JWT, REST API, Vite, Jest.

**Space Travel** | [GitHub](#)

- React-based app simulating spacecraft building and interplanetary travel via a mock API.
- Technologies: React Router, Vite, Vitest, CSS Modules, Error Boundary.

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### SKILLS

**Languages:** JavaScript (ES6+), Swift, Python, C++, TypeScript, HTML, CSS

**Front-End:** React.js, Next.js, Redux

**Back-End:** Node.js, Express.js (REST APIs, MVC architecture)

**Databases:** MongoDB, PostgreSQL

**Tools & Concepts:** Git/GitHub, GraphQL, Agile Development, Asynchronous Programming, OOP, Data Structures & Algorithms

**Testing:** Jest / Vitest, React Testing Library

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### EDUCATION

**Springboard** | Full-Stack Web Development Bootcamp **Oct 2024 - May 2025 (Expected)**

**Cornell University** | Master of Engineering, Chemical Engineering **Aug 2014 - May 2015**

**University of South Florida** | Bachelor of Science, Chemical Engineering **Aug 2009 - May 2014**