

SPENCER DAVIS

SOFTWARE ENGINEER | FULL-STACK DEVELOPER

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SUMMARY

Cornell-educated engineer transitioning into software development with expertise in full-stack web technologies. Completing Springboard's Full-Stack Development program. Skilled in JavaScript, React, and Node.js, with strong problem-solving abilities from prior work at Corning Inc. Hands-on experience with full-stack projects. Seeking opportunities to apply software skills in impactful projects.

SKILLS

Languages: JavaScript (ES6+), HTML, CSS
Tools: Git/GitHub, REST APIs, Agile Development

Frameworks/Libraries: React.js, Node.js, Express.js
Databases: MongoDB, PostgreSQL (introductory)

PROFESSIONAL EXPERIENCE

Process Engineer, Corning Inc.

2015 - 2016

- Led process improvements, increasing operational efficiency by 15%.
- Designed high-temperature manufacturing solutions, contributing to patent-pending innovations.
- Partnered with R&D to integrate new technologies into production workflows.

Engineering Intern, Transitions Optical

Summer 2013

- Developed a barcode tracking system to improve material traceability in production.
- Streamlined batch record systems with auto-calculations, reducing errors and inefficiencies.
- Created catalyst calculation program for reliable batch production and quality assurance.

PROJECTS

Space Travel (Github: [spencerdavis226/Hatchways-React-Space-Travel](#))

- Built a mock solar system exploration app to construct, dispatch, and manage spacecraft.
- Implemented route-based pages, React Context, and test coverage with Vitest and React Testing Library.

Space Mission Control (GitHub: [spencerdavis226/space-mission-control](#))

- React-based dashboard for managing space missions with filtering and state management.
- Implemented React hooks (useState, useEffect) for dynamic updates, enhancing interactivity.

EDUCATION

Springboard | Full-Stack Web Development Bootcamp

Expected June 2025

- Intensive hands-on program covering MERN stack development, RESTful APIs, and Agile workflows.
- Built real-world projects integrating React, Node.js, MongoDB, and Express.

Cornell University | Master of Engineering, Chemical Engineering

2014 - 2015

- Focused on data-driven experimental design and Python-based molecular modeling.

University of South Florida | Bachelor of Science, Chemical Engineering

2009 - 2014

- Specialized in process design and engineering analytics, with leadership roles in BMES and AIChE.