

CASEY FRITSCH

SOFTWARE ENGINEER

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github.com/cfritsch5

caseyfritsch.com

Technical	JavaScript	React	Redux	Ruby	Ruby on Rails	SQL	SCSS	HTML	CSS	Git
Education	B.S. Mechanical Engineering - Illinois Institute of Technology									2015
	Chair of Trans and Gender Nonconforming Advocacy Group, 2014-2015 Project Manager for Interdisciplinary Senior Capstone Project									
	Full Stack Software Engineering Program - App Academy									2017
	Highly selective program accepts <3% of applicants. 1000 hours of programming experience									
Experience	Software Engineer									2017 - Present
	Freelance Contract Work Used agile concepts and iterative development practices while building original professional website with React.js Implemented mobile friendly website interface Effectively communicated technical concepts and tools to non technical staff as a Technical Consultant Built a widget with Javascript, HTML, and CSS for local blogger as part of a two person engineering team									
	Anderson Technology									2016-2017
	Project Lead Installed hardware, software, and network infrastructure on three person start up team Professionally handled customer facing communication and logistics									
	City Year									2015-2016
	Americorps Volunteer Full time year long national service volunteer working to address the drop out crisis in underserved communities Mentored at risk students, developed curriculum and taught 4 daily Algebra support lessons Worked with diverse team to plan and lead lessons, events, and afterschool programming									
	Illinois Institute of Technology									2012-2015
	Resident Advisor Led monthly community development programming for 150 residents and annual diversity training for 70 staff members Supervised, managed interpersonal conflict resolution, and supported administrative functions for 50+ residents Founded annual Human Library campus wide event, coordinated multi-cultural team, and acted as liaison with non-profit partner									
	Illinois Institute of Technology									2014-2014
	Computer Science Teaching Assistant Taught core computer science concepts including loops, recursion, and basic algorithms in Matlab Led weekly group lab sessions of up to 30 students and bi-weekly individual and group tutoring sessions									
Portfolio Highlights	MathPath									github.com/cfritsch5/MathPath
	Full stack web app for students to easily learn elementary math concepts Technologies: Ruby on Rails, React, and Redux									www.mathpath.ocks
	Structured the component hierarchy to enable users to reliably navigate the lesson plan progression Designed content package that leads students from fundamental concepts to advanced exercises Achieved consistent user experience by tracking lesson progress in the Postgres database and saving their work Implemented RESTful API scheme									
	Shelffaux									github.com/cfritsch5/shelffaux
	Interactive 3D bookshelf for unique book browsing experience									www.shelffaux.pro
	Technologies: HTML, JavaScript, & CSS Designed intuitive UX/UI that reminds users of actually browsing a bookshelf Ensured images were always displayed in perspective by dynamically updating the transformation algorithm Leveraged mouse event listeners to create responsive animations Implemented special visual effects while sorting									