

# CASEY FRITSCH

## SOFTWARE ENGINEER

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caseyfritsch.com

Technical	JavaScript	React	Redux	Ruby	Ruby on Rails	Postgres	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										
Experience	Full Stack Software Engineering Program - App Academy										2017
	Highly selective program accepts <3% of applicants. 1000 hours of programming experience										
Experience	Software Engineer - Freelance Contract Work										2017 - Present
	Corporate Story Productions Built original professional website with React.js using agile practices Implemented mobile friendly website interface and integrated Vimeo API Built Custom Contact form and PHP email forwarding Corson-Knowles Built a typespeed widget with Javascript on two person engineering team										github.com/cfritsch5/Corporate-Story-Productions www.corporatestoryproductions.com  github.com/corsonknowles/typespeed corsonknowles.github.io/typespeed/
Experience	Anderson Technology Project Lead										2016-2017
	Installed hardware, software, and network infrastructure on three person start up team Professionally handled customer facing communication and logistics										
Experience	City Year Americorps Volunteer										2015-2016
	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										
Experience	Illinois Institute of Technology Resident Advisor										2012-2015
	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										
Experience	Illinois Institute of Technology Computer Science Teaching Assistant										2014-2014
	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  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										www.mathpath.ocks
Portfolio Highlights	Shelffaux										github.com/cfritsch5/shelffaux
	Interactive 3D bookshelf for unique book browsing experience 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										www.shelffaux.pro