CASEY FRITSCH
SOFTWARE ENGINEER

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Technical	JavaScript	React	Redux	Ruby	Ruby on Rails	Postgres	SQL	SCSS	HTML	CSS	Git

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Education

B.S. Mechanical Engineering - Illlinois 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

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Experience

Software Engineer - Freelance Contract Work — 2017 - Present
Corporate Story Productions — github.com/cfritsch5/Corporate-Story-Productions
  Built original professional website with React.js using agile practices — www.corporatestoryproductions.com
  Implemented mobile friendly website interface and integrated Vimeo API
  Built Custom Contact form and PHP email forwarding
Hotel Investor Apps
  Spearheaded initiative to expand and update their existing marketing site from concept to production
  Utilized Bootstrap to implement mobile first and responsive design
Corson-Knowles — github.com/corsonknowles/typespeed
  Built a typespeed widget with Javascript on two person engineering team — corsonknowles.github.io/typespeed/

Anderson Technology — 2016-2017
Project Lead
  Installed hardware, software, and network infrastructure on three person start up team

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

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Portfolio Highlights

MathPath — github.com/cfritsch5/MathPath
Full stack web app for students to easily learn elementary math concepts — www.mathpath.rocks
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

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 and implemented special visual effects while sorting