Matt Harris

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LANGUAGES AND TECHNOLOGIES
- **Proficient:** Python, JavaScript, Django, Angular, ReactJS, Ruby, Rails, VueJS, Git, CSS, SQL, Redis, Heroku
- **Exposure:** Node.js, AWS, Docker, PostgreSQL, Pandas, Numpy, Tensorflow, GraphQL, Jest, Golang

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PROFESSIONAL EXPERIENCE
Senior Frontend Software Engineer | Kaplan Test Prep | New York, NY   Aug. 2018 - Apr. 2020
- Developed a scalable bulk publishing system and real-time UI using AWS SQS & Lambda, Redis, postgreSQL, Angular and Web Workers, allowing 200+ content authors to update hundreds of content items at once.
- Implemented a reusable, highly configurable frontend library using Angular and Elasticsearch, allowing advanced searches of authored content and enabling key features such as one step course creation.
- Reduced ReactJS app page load time by ~1000% through pagination, Redis cache and partial data rendering.

Full-Stack Software Engineer | Carta | San Francisco, CA   Apr. 2017 - Aug. 2018
- Designed and built Carta SAFE financing tool using Django rest framework and VueJS front end, resulting in movement of >$4MM for 40+ investors, successfully funding ~25 companies' seed round.
- Improved financings and captable code quality with >50 unit tests, exception handling and refactoring of anti patterns, leading to an 80% drop in weekly production exceptions.
- Worked with agile development methodology, including daily standups and team retrospectives.

Back-End Software Engineer | Concrn | San Francisco, CA   Aug. 2016 - Apr. 2017
- Built PostgreSQL keyword search feature, leveraging pg_search gem for an extendable implementation of full text search against relevant database columns and attained 100% test coverage using RSpec and Factory_Girl.
- Increased report submission functionality to 100% uptime by refactoring Ruby on Rails logic.
- Updated Rails application Ruby version from 2.0.0 to 2.3.2, ensuring compatibility of 20+ dependencies.

Code Advisor | Codecademy | San Francisco, CA   Nov. 2016 - Apr. 2017
- Performed one-on-one code reviews for over 30 aspiring software engineers, covering topics ranging from Ruby, Javascript, ReactJS, SQL, HTML5, CSS3, Git, Sass, Rails, and AngularJS.

RECENT PROJECTS
Software Engineer | Thin Gifts | live | code   Aug. 2020
An e-commerce site that sells and mails greeting cards for special occasions with custom user messages.
- Developed Django rest framework API to manage session based shopping cart and orders for quick checkout.
- Built a responsive UI with CSS & Angular and integrated with Paypal SDK for convenient and fast payments.

Full-Stack Software Engineer | SMSCard | code   Jan. 2017
Mobile tool for business professionals to easily network with new acquaintances by sending their business cards via SMS.
- Architected CLI-like SMS interface with Rails for users to text flags and specialized parameters for networking.
- Constructed Ruby on Rails RESTful API to parse through data from Twilio messaging system and send relevant business card information queried from PostgreSQL DB.

Web Developer + Content Writer | The Plus Project | live | code   Nov. 2016
The Plus Project provides educational content on web development and CS topics through Ruby and Javascript.
- Wrote over 15 articles using images, concise term definitions and code snippets to teach abstract CS concepts (data structures, algorithms, design patterns) along with practical code execution using Javascript.

Back-End Software Engineer | Schwarzefaker | live | code   Apr. 2016
'Faker' Ruby Gem that populates an SQL database with Arnold Schwarzenegger movies, quotes, characters and villains
- Received 1000+ downloads from developers in first 6 weeks of being publically available at RubyGems.org.

EDUCATION
Georgia Institute of Technology | Atlanta | GA | *M.S. Computer Science: Machine Learning; 4.0 GPA*   2022
University of Tennessee at Chattanooga | Chattanooga | TN | *B.A. English*   2011