

RAYMOND FERRELL

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GitHub: github.com/Raymond427

AngelList: angel.co/raymond-ferrrell

LANGUAGES AND TECHNOLOGIES

- **Proficient:** Ruby, Ruby on Rails, JavaScript, ES6, ReactJS, Java, Python, HTML5, CSS3, Sass, jQuery, Git, SQL
 - **Exposure:** Redux, D3, WebGL, Enzyme, Jest, Yarn, CircleCI, Unity, Django, C++, Heroku, Ubuntu, PostgreSQL
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PROFESSIONAL EXPERIENCE

[Youxpert](#) | Software Engineer + Co-Founder | Charlotte, NC

January 2016 - June 2017

- Architected Ruby on Rails healthcare platform for San Francisco based startup [MPI Cognition](#) to demonstrate their patient record file system service to 15+ doctors during user testing sessions.
- Engineered ecommerce website [Relax, Let Us Work](#) using Wix, SEO and Google Analytics allowing users to purchase personal concierge services online, increasing sales by 40%
- Conducted user research, cognitive walkthroughs and A/B testing for parental control startup, [Zabra](#), which led to 50% increase in site visitors per week.
- Developed company corporate site using JavaScript, ES6, and ReactJS, increasing sales by > 60% after launch.

[Carbon Five](#) | Software Engineer, Intern | San Francisco, CA

Summer 2016

- Developed credit card and personal information authentication system using JavaScript, ReactJS, Redux and Ruby on Rails for [Swell Investing's](#) stock trading platform.
- Followed TDD in creating socially responsible investment system, achieving 90%+ code coverage writing 60+ unit tests utilizing Jest, Enzyme and RSpec.
- Designed UI and PDF generator for ReactJS platform support family discussion and agreements surrounding responsible usage of new technology improving site visitors by 30%.
- Re-engineered front end and implemented Instagram feed to [internal company dashboard](#) using Sass, Ruby and Sinatra, increasing employee participation in all three offices by over 40%.

[Hewlett-Packard](#) | Software Engineer, Intern (Pilots and R&D) | Corvallis, OR

Summer 2015

- Constructed user interface with HTML5 and Sass, developing unit tests with RSpec for customer-facing social media web app that received acclaim at demos in New York and Portland and on The QVC Shopping Network.
 - Built automated testing using RSpec to measure accuracy of test grading platform for local Oregon college students; 0 bug reports filed after release.
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EDUCATION

B.S. in Computer Science, Physics Minor, *University of North Carolina at Charlotte*

December 2016

PUBLICATIONS + ORGANIZATIONS

[Advancing Innovative Minds](#), UNC | Co-Founder + President

January 2014 - December 2016

Created club to gather innovative students and entrepreneurial resources to turn ideas into startup companies.

- Gained 50+ new members in four months, and held seminars with small business owners every two weeks.
- Designed [club web application](#) using Ruby on Rails, HTML5, Sass and RSpec with online donations and user newsletter sign-up features, increasing membership by 150% and donations by 100%.
- Won Best New Organization at UNC out of 51 new organizations for initiative, creativity, and perseverance.

Creating a Digital Pedagogy: Exploring Online Learning Methods to Increase STEM Graduates

July 2016

Published in [Policy Perspectives from Promising New Scholars in Complexity](#) by Westphalia Press

- Published research on how innovation in the tech industry can resolve the shortage of STEM talent.
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LEADERSHIP + AWARDS

Fellow, 2016 CODE 2040

Summer 2016

Selected as one of 80 fellows out of 800 applicants for an intensive summer career accelerator in San Francisco.

Honorary Budding Scholar, *Policy Studies Organization*

December 2014

Invited to the [2014 Dupont Summit](#) in Washington, D.C. to present research paper *Creating a Digital Pedagogy*.