RAYMOND **FERRELL**

Charlotte, NC
919.332.6212
rferrel427@gmail.com

LinkedIn: linkedin.com/in/raymondferrell   **GitHub:** github.com/Raymond427   **AngelList:** angel.co/raymond-ferrell

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

PROFESSIONAL EXPERIENCE
Credit Karma | **Software Engineer III** | **Charlotte, NC**   December 2017 - Present
- Added features to the tax filing product using React, Redux, Emotion, and Spring
- Helped add monetization to the tax product for the first time using GraphQL
- Created APIs for the native app to communicate with the fraud detection service using PHP, and GraphQL
- Created interactive graphs using tax data with React, Victory.js, Recharts and GraphQL

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%.

EDUCATION
B.S. in Computer Science, Physics Minor, *University of North Carolina at Charlotte*   December 2016

CERTIFICATIONS + PUBLICATIONS
Certified Mobile Web Specialist | **Google**   September 2019 - September 2022
- Create progressive web apps that are available offline and provide a consistent, native-app-like experience.
- Build a web app's responsive layout and style appropriate to the user's device using only HTML, CSS, and JavaScript without the overhead of libraries or frameworks (such as jQuery).
- Use JavaScript to set up reliable front-end networking protocols with appropriate error handling.
- Use accessibility to make web apps for users with visual, motor, hearing, and cognitive impairments.

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.

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.*