

# RAYMOND FERRELL

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**GitHub:** [github.com/Raymond427](https://github.com/Raymond427)

**AngelList:** [angel.co/raymond-ferrrell](https://angel.co/raymond-ferrrell)

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## 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
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## PROFESSIONAL EXPERIENCE

### Credit Karma | Software Engineer II | 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 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%.
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## EDUCATION

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

December 2016

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## 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*.