Raul Serrano

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EXPERIENCE

Front-End Engineer - *Teachley, LLC (2018 - 2021)*
- Developed interactive web-based math modeling tools
- Collaborated with educators and engineers to create EdTech products for NYC schools
- Quantifiably improved student math curriculum performance by an estimated ~30%
- Carefully catered to younger users (COPPA), often using older devices, networks, and OSes
- Utilized data ingestors to create and maintain multilingual math word problems DB

Quality Assurance Manager - *Kiswe Mobile Inc. (2017 - 2018)*
- Created and managed QA process for dev and product teams
- Implemented quality metrics, product test cycles, and design feedback iterations
- Developed automated Appium UI tests for mobile platforms & improved coverage 500%+
- Enforced Scrum and Agile methodology practices to achieve goals and meet deadlines

Full Stack Developer - *Kiswe Mobile Inc. (2015 - 2017)*
- Led feature development projects involving web, iOS and Android teams
- Developed >10 client and investor facing websites
- Developed app allowing one user to act as an entire live multistream production team
- Co-created in-house React framework, implemented company-wide
- Implemented React framework on mobile platforms via React Native
- Designed and implemented front-end assets and layouts

SKILLS

Front End: JavaScript | jQuery | Express.js | HTML | CSS | Bootstrap | JSX | React | Vue.js | webpack | Babel | Lodash | Angular | Pug | Gimp | Adobe Illustrator
Back End: Node.js | npm | MongoDB | SQL | Ruby | Rails | Python
Methodology: Agile | Scrum | Jira | Trello | Git | AWS | Jenkins | Appium | TDD | Heroku
Mobile: React Native | Android | Java | iOS | Swift | Objective C
Culture: Latin & Ballroom Dancing | Gaming | Philosophy | Marksmanship | Arts & Crafts

EDUCATION

Web Development - *App Academy (Sep. 2014 - May 2015)*
- Immersive software development course with focus on web development, Agile methodologies, code quality, and design patterns
- <5% admission rate

Physics - *Queens College (2007 - 2014)*
- Relevant Courses: Graphic Design - emphasis on advertisement design, 2D and 3D Design, Math up to Calculus II, Physics

Nuclear Engineering - *USMA, West Point (2005 - 2007)*
- Relevant Courses: Java Programming, Math up to Calculus II, Physics

STEM - *Stuyvesant High School (2001 - 2005)*
- Relevant Classes: Comp Sci, Calculus, Physics, Electronics, and other STEM classes