FRANCESCA RICARDO

Software Engineer

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New York, NY
LinkedIn

EDUCATION

B.S.

Computer Science

University of Pittsburgh

September 2008 - April 2012

Pittsburgh, PA

SKILLS

- Python (Django)
- JavaScript (NodeJS, ReactJS, jQuery)
- SQL (MySQL, PostgreSQL, NoSQL)
- HTML5/CSS
- AWS
- Unix, Git

WORK EXPERIENCE

Software Engineer

Embark

January 2015 - current New York, NY

- Worked with product managers to re-architect a multi-page web app into a single page app, boosting yearly revenue by $1.4M
- Constructed the logic for a streamlined ad-serving platform that scaled to 35M users, which improved the page speed by 15% after implementation
- Tested software for bugs and operating speed, fixing bugs and documenting processes to increase efficiency by 18%
- Iterated platform for college admissions, collaborating with a group of 4 engineers to create features across the software

Software Engineer

MarketSmart

April 2012 - January 2015 Washington, DC

- Built RESTful APIs that served data to the JavaScript front-end based on dynamically chosen user inputs that handled over 500,000 concurrent users
- Built internal tool using NodeJS and Pupeteer.js to automate QA and monitoring of donor-facing web app, improving CTR by 3%
- Reviewed code and conducted testing for 3 additional features on donor-facing web app that increased contributions by 12%

Software Engineer Intern

Marketing Science Company

April 2011 - March 2012 Pittsburgh, PA

- Partnered with a developer to implement RESTful APIs in Django, enabling analytics team to increase reporting speed by 24%
- Built out a unit testing infrastructure with Selenium for a client application that reduced the number of bugs reported by the client by 11% month over month

PROJECTS

Poker Simulation

- Built a full-stack web app to allow users to simulate and visualize outcomes of poker hands against opponents of different play styles using open source cards.js on the front-end
- Used sci-kit learn in Python to simulate possible outcomes under different scenarios that the user chose