

Alexander Doundakov

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SKILLS **JavaScript, React.js, Redux, HTML5/CSS3, Python, SQL, TDD, Ruby/Rails**

EXPERIENCE

Software Engineer – Infer Inc. 03/2017 – Present

- Developing across stack for a predictive platform leveraging ML and AI techniques to rapidly model over enterprise sales data
- Demystifying predictive process through innovative visualization tools, increasing CS team bandwidth
- Pioneering new result visualization matrix, shortening model build time and increasing accuracy
- Acting frontend support engineer, serving as frontline contact and maintaining test suite
- Advancing communal engineering knowledge through React.js and GraphQL seminars and workshops

Contract UI + Frontend Developer – MZ Inc. 02/2017 – Present

- Designed and built preregistration websites, receiving 100k+ hits per day and high conversion rate
- Supported successful game launch and acted as technical liaison for creative marketing team
- Implemented strict security protocol to eliminate malicious attack vectors and protect user data
- Refactored legacy vendor code to create smoother UX and add support for various geos

Research Technician – The Scripps Research Institute 02/2013 – 08/2016

- Refined purification analysis by writing Python script to automate data interpretation
 - Budgeted resources to meet deadlines, resulting in top 2 lab performance out of the 16 cores at TSRI
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PROJECTS

easyHire (Rails, React/Redux) – Sole Developer [source](#)

Single-Page, Full-Stack Application for job hunters, built from ground up in 8 days

- Utilizes efficient SQL queries to reduce AJAX request-response time by up to 80%
- Delivers mobile-friendly UI through semantic HTML and CSS3 media queries
- Embeds authentication checks throughout to enforce account permissions and ensure privacy

echoSyndicate (Rails, React/Redux) – Co-Developer [source](#)

Politically aware news aggregator, designed to break the echo-chamber

- Leverages News API and keyword matching to accurately pair articles by opposing views
- Automatically updates database using rake tasks, deleting old articles and processing new ones

BubbleTrouble (JavaScript) – Sole Developer [source](#)

High-Performance HTML5 game based on agar.io

- Utilizes control flow to allow difficulty adjustment by user, including endless mode
 - Implements smooth UX through event handlers, providing intuitive controls for movement
 - Draws on HTML Canvas elements for smoother gameplay experience with smaller application footprint
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EDUCATION

Software Engineering - App Academy 09/2016 - 12/2016

- 1000-hour full-stack web development course with 3% acceptance rate

B.S. Nanoengineering (Bioengineering Focus) - UC San Diego 08/2010 - 06/2014