

Brian Fitzsimmons

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Employment

- Software Engineer Sporcle, Inc (www.sporcle.com) Sept 2017 - April 2022
- Leveraged knowledge in JavaScript, PHP, SQL, and AWS to develop full-stack features across Sporcle.com's desktop and mobile sites, helping it scale to 1M+ gameplays per day.
 - Project owner for Sporcle's recommendation engine. Used Elasticsearch, Redis, and collaborative filtering ML to serve personalized content to 550,000+ users.
 - Collaborated with Sporcle CTO and customers to develop a real-time, multiplayer scoring app for live trivia shows that now generates over \$50,000 per week.
 - Learned Git, React Native, and mobile app development to create Sporcle Word Ladder, a mobile trivia game available on [iOS](#) and [Android](#) with a 4.5 star rating.
 - Learned Swift to build the majority of Sporcle's revamped iOS app, including in-app purchases, social authentication, web-view rendering, and backend infrastructure.
 - Used Tableau, MySQL, and Redshift to produce graphs of Sporcle's KPIs and investigate user behavior, bringing a data-centric/evidence-based approach to product development.
 - Designed a timeseries forecasting model that predicted Sporcle KPIs with 98% accuracy between 2020-2022.

Projects

- [Sporcle Playlive](#)
 - Real-time multiplayer trivia game
 - Built with [dom-vm](#), Stylus on the front-end, PHP, Node.js, Redis, Salesforce on the back-end
 - Utilizes websockets for real-time functionality
 - Hosted on AWS
- Various personal projects hosted on [Github](#)
- [A failed food truck](#)

Skills

Proficient - JavaScript, HTML/CSS, PHP, Node.js, SQL, React/React Native, Redis, AWS, *Nix, Git
Familiar - Python, ML techniques/deployment, Elasticsearch, Firebase, Salesforce, Swift, Docker

Certifications

- Sumo Logic Search Fundamentals and Mastery (October 2019)
 - Demonstrated mastery of the Sumo Logic log analysis platform.
- Free Code Camp Front-End Developer (2017)
 - Completed over 275 hours worth of front-end tutorials and projects.

Education

- University of Virginia Charlottesville, VA Aug 2011 - May 2015
- Bachelor's in Political Science (Foreign Affairs). Minor is Astronomy.
 - 3.91 GPA, Dean's List, Phi Beta Kappa, Echols Scholar (top 5% of incoming students)