DREW BLOCKI

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drewblocki.com

EXPERIENCE

DRAFTKINGS **2022-Present**
***Senior Software Engineer**, 2024-Present*
***Software Engineer**, 2022-2024*

- Implemented code splitting on a React app using Webpack, reducing page load times by up to 50% and increasing Lighthouse Performance scores by an average of 103%
- Developed standardized login and registration pages used across all DraftKings verticals, which supported up to 22k logins per minute and 3k registrations per minute during peak traffic
- Partnered with iOS and Android engineering teams to integrate standardized web pages into all DraftKings native apps
- Built widgetized microfrontends to handle permission correction and two-factor authentication across all DraftKings products
- Contributed to internal NPM packages used by hundreds of developers, providing out-of-the-box styling/theming, server-side request context parsing, DataDog monitoring, and robust data fetching with Axios and Fetch API
- Developed an internal tool that visualizes automated Lighthouse reports in DataDog, providing actionable insights into performance, accessibility, and SEO with interactive tables and trend graphs

ICF INTERNATIONAL **2021-2022**
Associate Software Developer

- Created an advanced search page with React and Solr, improving efficiency for internal librarians
- Led EPA React project used by industrial companies to reduce greenhouse gas emissions and support sustainability

TD AMERITRADE **Summer 2020**
Software Engineer Intern

- Developed new features and implemented bug-fixes on an automated investment platform built in React and Redux
- Improved security and performance of Spring microservices, achieving 99.5% cache efficiency

EDUCATION

UNIVERSITY OF MICHIGAN, COLLEGE OF ENGINEERING, Ann Arbor, MI
Bachelor of Science in Engineering - Computer Science **2017-2021**

- Cumulative GPA: 3.6/4.0

CERTIFICATIONS

- **Certifications:** AWS Certified Solutions Architect – Associate, Feb 2022
- **Skills:** TypeScript/JavaScript, React, HTML, CSS, Node.js, Python, C++, SQL, Java, AWS

PROJECTS

NBA NEURAL NETWORK MODEL, Python, React, MongoDB

- Built neural network deep learning model using PyTorch to project NBA final scores and make predictions against the point spread, achieving a winning percentage of over 55% in the 2020 season
- Coded Python scripts to automatically collect data from recent games, calculate player ratings, and build model input data
- Created web app using MongoDB, Express, and React to view game projections and predictions against the point spread