

PARKER HARRIS

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

TOP SKILLS

PHP, Javascript / Typescript, React, CSS, HTML Canvas, SQL

EXPERIENCE

Amazon Web Services

Mar 2020 - Sep 2023

Frontend engineer

- Primary technologies: Typescript, React, Redux, Ruby
- Deliver scalable, robust frontend components and pages including error handling
- Include unit tests and integration tests for all customer-facing code
- Work with designers, product managers, and multiple backend teams to implement features for web services
- Improve performance and accessibility while rewriting web consoles to migrate from Angular to React
- Automate tedious and repetitive tasks to continually improve engineering productivity and reliability
- Operations work: Build and maintain pipelines, server additions, application monitoring, and continuous pushing
- On-call: Week-long shifts of 24/7 responsibility to rapidly respond to alarms or high severity events
- Personally designed and implemented system for generating, monitoring, and managing hundreds of AWS accounts

PROJECTS

SIMPLE CHESS (PHP backend, JavaScript frontend)

[live](#) | [github](#)

Chess algorithm API

frontend code: [github](#)

- Publicly accessible API that can receive the state of a game and suggest a move
- Recursively looks at future moves to maximize player's piece advantage or guarantee checkmate
- Can also be used to check if a move is legal
- User can specify how many moves ahead to look, allowing for use as bot with varying ability

GRAFFITI (PHP backend, JavaScript frontend)

[live](#) | [github](#)

Chrome extension allowing public discourse on any webpage

- Users can engage with each other on any webpage - a universal comment section
- Ongoing project - recent features: tagging other users, follow or unfollow pages
- Current work: mobile-friendly extension for Firefox and Safari

WIND & WAVES (React, JavaScript, HTML Canvas, CSS)

[live](#) | [github](#)

Sailing Simulator

- Leveraged JavaScript object-oriented programming to implement accurate, modular, three dimensional physics model based on calculations of wind, lift, drag, and torque
- Designed interactive display, allowing users to investigate the unseen forces of sailing with customizable arrows that update in real time

EDUCATION

Full Stack Web Development - App Academy

Jun 2019 - Oct 2019

MS - Engineering Management - Clarkson University (formerly Union Graduate College)

Class of 2011

BS - Mechanical Engineering & BA - Philosophy - Union College

Class of 2009