

Virginia Knight

t: upon request e: upon request

New York, NY

[Portfolio](#)

[Linkedin](#)

[GitHub](#)

SKILLS

Ruby on Rails, JavaScript, TypeScript, React, Redux, Next.js, HTML, CSS, MongoDB, Node.js, Express.js, SQL, GraphQL, Prisma, Webpack, jQuery, Git, Heroku, SAS, AWS S3, Argo, REST APIs

EXPERIENCE

Software Engineer | March 2022 - Present

Caribou Financial

- Built, deployed, and monitored new features in event-driven and service-oriented architecture across multiple tech stacks, including a Ruby on Rails web application and TypeScript microservices
- Collaborated across various teams to reduce tech debt and migrate off of multiple outdated technologies, resulting in annual savings of well over \$75,000
- Led the development of a new add-on product service integration
- Worked closely alongside senior and staff engineers to create achievable solution designs and gain feedback for writing scalable code

Statistical Programmer | June 2018 - July 2021

Precision for Medicine

- Created and validated data models and statistical summaries for pharmaceutical clinical trial data using the statistical software suite SAS for over 30 clinical trials
- Served as a lead programmer for six clinical trials by discussing the study logistics with clients, managing a team of programmers' workloads, and overseeing study progression
- Worked extensively with others to develop efficient programming techniques for the Biostatistics department, including taking part in a committee to validate the functionality of useful macros for department-wide use

PROJECTS

Quizard

[github](#)

JavaScript, React / Redux, HTML / CSS, Express, MongoDB, Node.js, WebSocket

An interactive web application that allows users to create and play quiz games with their friends

- Employed WebSocket connections to allow users to participate in real-time live game sessions and live chat
- Spearheaded development as Front End Lead by developing, structuring, and styling form inputs and static pages as well as providing support to fellow team members on both front-end and back-end technologies

Popcorn

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

JavaScript, Canvas, HTML / CSS, Webpack

A single-page browser app in which players align puzzle pieces in a grid to pop pieces of popcorn

- Leveraged vanilla JavaScript and DOM manipulation to handle all visual effects in addition to timed, round-based game logic
- Implemented a queue data structure to perform breadth-first node traversal when determining the status of puzzle pieces within the game grid

EDUCATION

App Academy | February 2022 | New York, NY

Immersive software development course with a focus on full-stack web development

San Diego State University | May 2018 | San Diego, CA

College of Sciences, Bachelor of Science, Statistics