

# JULES VIGY

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## EXPERIENCE

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### Liberty Mutual Insurance

June 2021 - Present (remote)

Software Engineer in Techstart

- Refactored SpringBoot microservices to directly call the MassDOT API, allowing for termination of vendor integration contract worth \$1,000,000+.
- Developed catastrophe data retrieval API written in TypeScript using a serverless architecture to automate location risk data retrieval cutting turnaround time by 90%.
- Developed customer complaints visualization tool using React.js, Spring Boot, and SQL Server to provide users with interactive maps and charts.

### Liberty Mutual Insurance

August 2020 - June 2021 (remote)

Software Engineer, Intern/Coop in GRM US

- Developed testing automation tool for QA testers using React.js and Express.js to automate policy creation process, reducing testing time by 75% for a single policy.
- Stood up a ksqldb to accelerate the development time for streaming events in Kafka.
- Added monitoring to React.js application using appDynamics and implemented outage text notifications to engineers on call by leveraging xMatters.

### Liberty Mutual Insurance

June 2020 - August 2020 (remote)

Software Engineer, Intern in GRM US

- Developed documentation portal using React.js, Express.js, DynamoDB, and Redis to centralize and streamline developer onboarding, reducing onboarding times by 50%.
- Utilized extra capacity to assist Safeco Front-End Team debug/fix their React.js application.

## PROJECTS

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### react-simple-maps (open-source project)

April 2022 - Present

- Founded an open-source project available on NPM with a mission to make user-friendly maps for React.js.
- Each map is a React.js class component that displays an SVG customizable via React.js Props.

### Paddle Wall (iOS Application)

August 2019 - August 2020

- Created a 2D game made available on the iOS App store with 100+ downloads.
- Written in Swift and used the SpriteKit framework to leverage SKScenes, SKNodes, and SKLabels to render game scene.
- Used Firebase's RealTime Database to create arcade-like high scores feature in realtime across users.

### julesvigy.com (personal website/blog)

August 2019 - Present

- Programmed personal website to host blog and display information about personal projects and interests.
- Website is written in HTML, CSS, Markdown, and Liquid leveraging GitHub pages for hosting, and Jekyll for static site generation.

## EDUCATION

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### University of Wisconsin-Madison

May 2021 (Graduated)

- Bachelor of Science: Computer Science
- Certificate: Leadership
- Cumulative GPA: 3.7

## SKILLS

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**Programming Languages:** Java, Javascript, Typescript, Python, Swift, HTML, CSS, SQL

**Technologies:** Spring Boot, React, Express.js, Nest.js, AWS (API Gateway, Lambda, CloudFormation, CDK, SDK, S3, CloudWatch, ElastiCache, Parameter Store)

**Relevant Coursework:** Algorithms, Databases, Intro to AI, Software Engineering, Virtual Reality

**Languages:** French (Native)