

# KAITLIN BERRYMAN

## Sr. Full-Stack Software Engineer

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**Skills** JavaScript, TypeScript, UI, UX, CX, Figma, React, React Native, Node, Next.js, Express, TailwindCSS, D3, Google Cloud Platform (GCP), AWS, Python, Java, C#, C++, C, VHDL, Postgres, MySQL, MongoDB, CI/CD, Jenkins, GitHub Actions, Stripe, Grafana, Prometheus, Docker, Kubernetes, Shell Scripting, Vim, A/B Testing, Statsig, Postman, Falco, Plotly, Pandas, Mapbox, Jest, Redux, Flask, Django, REST APIs, GitHub Copilot, Scrum, Jira, Ubuntu, git

## Work Experience

### Field Organizer

Democratic Party of Virginia Coordinated Campaign (2025)

Solely led 50+ volunteers on the 70-mile Eastern Shore, persuading 45k residents. Won all statewide seats.

### Applications Engineer

Laminar (Prev. H20k Innovations, Jan 2024 - Mar 2025)

Deployments team lead for multi-million-dollar contracts.

### Graphic Engineer

Greenfire (2023)

### Software Engineer

Gaia AI (2022 - 2023)

Lead web & mobile developer. UX & robotics. Typescript & RN.

### Jr. Software Engineer

Geisel Software (2021 - 2022)

NASA contracts (ROS, RViz, C#, Unity), robotics, Nuxt.js, Vue.js, PHP, Python, MySQL, Vim, C, Webots, JavaScript, React, Express, HTTP, Django, Quickbooks & Harvest APIs.

### Studio Manager

Color Me Mine (2020 - 2021)

### Electrical Engineering Teaching Assistant

RIT (Fall 2019)

### Engineering Technology Assistant

RIT (Spring 2019)

### IT & Networking Intern

Tech Solutions Now (2018 - 2019)

### Tech Education Rep

Ohio State Fair Jr. Fair Board (2016 - 2017)

### Robotics Camp Lead Instructor

Robot Academy (2014 - 2018)

## Education

### Rochester Institute of Technology (RIT) 2018-2020

Electrical Engineering (Robotics Option) with Communication Immersion

### Springboard 2022

Software Engineering Bootcamp (Full-Stack JavaScript & Python)

### Cornell University Ongoing

Online User Experience (UX) Design Certification

## Leadership

**Avid Volunteer** Accomack & Northampton VA Democratic Committees

**Mentor & Member** FIRST Robotics (FLL, FTC, FRC 2014 - 2024)

**Research & Development Director** RIT Computer Science House

**3D Printer Admin & On-Floor Resident** RIT Computer Science House

## Projects

### County Crops Mobile App

Digital farmer's market for iOS & Android.  
Interactive Figma. JavaScript & React Native.

### Fungi Citizen Science Mobile App

Automated species discovery for iOS & Android.  
Interactive Figma. JavaScript & React Native.

### Custom Guitar Distortion Pedal

Circuitry, breadboarding, soldering.

### Augmented Reality Virtual Button

Used C#, Unity, & Vuforia to create motion-dependent maker-based AR demo with trigger.

### Gesture Detection for Smart Car

Used C++ and Leap Motion's sensor to control car's music & display screens.

### Amazon Clone

Used JS, React, CRA, React Router, Context API, React, Components, Firebase/Google Auth & Hosting & DB, Stripe, Express, JSX, env vars.

### Medium Clone

TypeScript, JS, Next.js, Sanity CMS, React, Tailwind CSS 3.0, ISR, SSR, React Hook Form, JSX, built-in API, Vercel, Components.

### Netflix Clone

Used JS, React, TMDB API, CRA, Firebase Hosting, Components, react-youtube via npm, movie-trailer via npm.

### Spotify Clone

Used React, Next.js12, Tailwind CSS, Recoil, Middleware, NextAuth, Spotify API, Debounce, Custom Hooks, Components.

### Uber Clone

React Native, Redux, Tailwind CSS, RN Navigation, RN Maps, Google's Directions API, Places API, Distance Matrix API, Google Autocomplete.

### Fam App

React, Next.js, Tailwind CSS, Firebase v9, NextAuth, Faker.js & Recoil.

### DIY LISP

Read-Eval-Print Loop (REPL), tokenizer/parser, S-expression evaluator, DIY language in C.

### DIY Plasma Cutter & 3D Printers

Built by FRC & FTC robotics teams. Lead CAD mentor.

### Instant Robot Chassis CAD

Used C# to create a GUI adjusting parameter-dependent Autodesk Inventor files.

### Magic the Gathering Dashboard

Flask, WTForms, SQLAlchemy, Bcrypt, Scryfall API, TailwindCSS, Jinja2, HTML, CSS.

### Chat App

Server / Client bi-directional chat app with users with Node, Express, Socket.io, Websockets & qs.