

DYLAN BLACK – FULL STACK DEVELOPER

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EXPERIENCE

2023-Present | Software Engineer | Headlight Solutions — *Ground freight management system.*

- Developed a mobile web app with React and Ruby on Rails that allows drivers to confirm, revise, and sign for orders, leading to the acquisition of many new clients.
- Designed and coded a dynamic form generator with React Hook Form and Active Admin so that clients can add custom form fields for their drivers without relying on developers.
- Collaborated with a UI/UX designer to create modern, responsive, and user-friendly UIs utilizing Bootstrap and React-JSS.
- Built a web scraper for gathering data about parts available from a pipe distribution warehouse.
- Completed numerous backend tickets to enhance truck routing logic, support photo uploads, filter orders, and much more.

2022-2023 | Software Engineer | SitScape — *No-code, drag and drop app builder.*

- Developed a drag and drop layout system for arranging and styling the widgets using React, TypeScript, and Redux.
- Added nested containers with a hierarchical tree graph organization to support modern layouts with complex designs.
- Lead project to develop extensions of the layout system by collaborating with fellow developers in pair programming sessions.
- Refactored the widget customization toolkit for styling widgets by programmatically applying Tailwind CSS classes.

2018-2022 | Postdoctoral Scholar, Philosophy of Cognitive Science | Xi'an Jiaotong University

- Published in competitive, peer-reviewed journals while teaching advanced courses in philosophy.

SKILLS

React.js, JavaScript, Ruby on Rails, Ruby, TypeScript, Git, Github, Zsh, HTML, CSS, Bootstrap, Tailwind CSS, Redux, Jest, RSpec, Capybara, SQL, PostgreSQL, MySQL, DS&A, Agile & Scrum, RESTful API, MVC & OOP, SOLID, TDD, CI/CD.

PERSONAL PROJECTS

Definiens — *Language learning app.*

- Implemented user registration with JSON Web Token and bcrypt for secure authentication and password security.
- Created e-reader from scratch using SVG text and the React Resize Detector to paginate lessons into turnable pages that dynamically resize to the user's viewport.
- Integrated Cloudinary image hosting and automated transformations.
- Used Google Translation API to provide users instantaneous translations without altering the original text.

Restroom Finder — *Ruby on Rails API.*

- Authenticated user WeChat IDs using Tiddle and Devise.
- Geocoded restroom coordinates to route users to nearest restrooms in real time.
- Seeded database with 5000+ public restrooms scraped from the Tencent API while screening for overdensity and underdensity.

EDUCATION

- PhD in Philosophy, Indiana University Bloomington (2018).
- MA in Philosophy, Northern Illinois University (2011).
- BA in Philosophy, University of Kansas (2009).

INTERESTS

Consciousness, science fiction, Mandarin, hiking, technology.