

Alex Rutan

Full Stack Software Engineer • SF Bay Area

alexrutan04@gmail.com • (925) 478-0148

alex-rutan.github.io
github.com/alex-rutan
linkedin.com/in/alex-rutan

As a software engineer, I'm motivated to make humanity more progressive, efficient and innovative while balancing analytical problem solving and creative design. In my previous professions, I've maneuvered rafts through high water on the Snake River, designed and constructed fine furniture that will survive decades of use and explained Yosemite's glacial geology to middle schoolers. My background is broad and diverse, with a theme of life-long learning and innate curiosity.

CODING PROJECTS

Job.ly React • Express • PostgreSQL | [Project Site](#) • [GitHub](#)

Javascript job-board application. Back-end utilizes JWT tokens to authenticate and authorize a range of user types and actions, and tokens persist in localStorage. Developed models, routes and tests for browsing and filtering jobs and company profiles. Centralized SQL queries on front-end with an API class, and constructed React component hierarchy with simplicity and reusability in mind.

Warbler Flask • Jinja • WTFORMS • PostgreSQL | [Project Site](#) • [GitHub](#)

Python twitter clone. Developed functionality to follow users and view, post and like tweets by utilizing relationships among model classes. Monitored logged-in user with Flask's global "g" object and tested model and view functions, including authentication and authorization, to ensure user security. Engineered modular front-end html using Jinja templating engine.

PROFESSIONAL EXPERIENCE

Software Engineer Intern @ Rithm School

SEPT 2021 // San Francisco, CA

- Quickly acquainted myself with Rithm School's Student Information System (SIS), a Django-based interface for curriculum and cohort info
- Pioneered an SIS mobile frontend detailing the staff, date/time and notes for upcoming curriculum and events using Swift and Rithm's SIS API
- Streamlined workflow efficiency by developing a button and click handler function to allow staff to publish a week's curriculum items all at once
- Refined modularity and abstraction of CSS style sheets by converting CSS components to Sass to utilize variable naming and built-in @use modules
- Authored unit and integration tests to maintain 100% testing coverage

Woodworker & Designer @ Franklin Woodworking

MAR 2019 - DEC 2020 // Salt Lake City, UT

- Designed, built and installed custom fine furniture, cabinetry and art for private residences and small businesses
- Developed a range of technical skills needed to solve complex problems involving style, function and durability
- Executed the design and construction of a [campervan](#), my passion project

Naturalist & Environmental Educator @ Naturalists At Large

Spring & Fall - 2017 & 2018 // Throughout California

- Instructed groups of up to 16 students (1st - 12th grade) in week-long environmental education programs and backcountry trips in California's national and state parks

Whitewater Raft Guide @ Barker-Ewing Whitewater

Summer - 2017 & 2018 // Jackson Hole, WY

- Guided rafts through high pressure situations and dangerous class III and IV rapids on whitewater and scenic sections of the Snake River

TECHNICAL SKILLS

Programming Languages

JavaScript • Python • Swift • HTML
• CSS/Sass • SQL

Frameworks, Libraries & Tools

React • React Testing Library • Node
• Express • Jest • jQuery • Flask •
Django • PostgreSQL • SQLAlchemy
• SwiftUI • Bootstrap • Git • GitHub
• AWS S3 • VSCode

EDUCATION

Rithm School

JUNE - OCT 2021 // San Francisco, CA

Top-Ranked Full Stack Software
Engineering Bootcamp

Colby College

2012 - 2016 // Waterville, ME

3.70 GPA

B.A Environmental Science

Graduated with Distinction

William D. Adams Presidential Scholar

3x Dean's List Recipient

D-III Varsity Men's Lacrosse Player

3x Conference All-Academic Selection

LEADERSHIP

Coach - Las Lomas HS Lacrosse

2021 - Present // Walnut Creek, CA

Captain - Colby College Lacrosse

2016 // Waterville, ME

Trip Leader & Committee Member -

Colby Outdoor Orientation Trips

2013 - 2016 // Waterville, ME

OTHER INTERESTS

Fly Fishing • Backpacking • Skiing •
Climbing • Biking • Campervans
([check out my fully self-built van](#)) •
Sustainability • Conservation •
Farming & Small-Scale Agriculture