Alex Rutan

Full Stack Software Engineer

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EXPERIENCE

Software Engineer Intern @ Rithm School

SEPT 2021 // San Francisco, CA

- Enhanced the Student Information System (SIS), a Django-based interface for students and staff to access curriculum and cohort info
- Built an SIS mobile frontend detailing the staff, date/time, and notes for upcoming curriculum and events using Swift and Rithm's SIS API
- Designed and implemented features to allow staff to publish a week's curriculum items all at once, improving overall workflow efficiency
- Engineered functionality that ensures solution links sent by staff are sent to the correct cohort, even if staff are logged into another cohort
- Thoroughly tested all new features with unit and integration tests to maintain 100% coverage and protect against edge cases

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 mastery of technical skills needed to solve complex problems involving style, function and durability
- Executed the design and construction of a campervan including woodworking, metalworking, and electrical system components

Naturalist & Environmental Educator @ Naturalists At Large

Spring & Fall - 2017 & 2018 // Throughout California

- Instructed groups of up to 16 students (1st - 12th grade) in environmental education programs throughout California's national and state parks
- Encouraged students to expand their ecological knowledge and confidence in the outdoors through 4-day backcountry trips

Whitewater Raft Guide @ Barker-Ewing Whitewater

Summer - 2017 & 2018 // Jackson Hole, WY

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

PROJECTS

Job.ly - Web application that allows users to browse available jobs and company profiles from a database and handle job applications. Built with React frontend and Express backend.
Project Page | Github

Pix.ly - Web application with open source photo library from which users can add, download, and edit photos, and view metadata available for each photo. Built with React frontend and Flask backend, with database storage for photo metadata and AWS storage for photo files.
Project Page | Github

SKILLS

Programming Languages

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

Frameworks, Libraries & Tools

React, Redux, React Testing Library, Node, Express, Jest, jQuery, Flask, Django, PostgreSQL, SQLAlchemy, SwiftUI, Git, Github, AWS, 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

LEADERSHIP

Asst. Coach - Las Lomas HS Lacrosse
2021 // Walnut Creek, CA

Captain - Colby College Men's Lacrosse
2016 // Waterville, ME

Trip Leader & Committee Member - Colby Outdoor Orientation Trips
2013 - 2016 // Waterville, ME

OTHER INTERESTS

Backpacking, Skiing, Fly Fishing, Climbing, Biking, Campervan Design & Construction, Organic Farming, Sustainability, Conservation