OLIVER RIPPS

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EDUCATION

Oberlin College, Oberlin, OH   August 2019 - Present
B.A. in Computer Science and Economics expected May 2023
- GPA: 3.81
- Relevant Coursework: Introduction to Computer Science, Data Structures, Web Development, Introduction to Computer Architecture, Systems Programming, Programming Abstractions, Human Computer Interface, Calculus I, Discrete Mathematics, Introduction to Statistics

EXPERIENCE

Twine, Oberlin, OH   January 2021 - April 2021
Software Engineer Intern
- Developed an event tagging system, using React, Material UI, Firebase, Firestore, and Redux, that allows users and admins to create, edit, and suggest tags
- Designed and implemented a scoring algorithm, using TypeScript, to suggest friends to users based on interests, class year, mutual friends, and organizations, along with a React front-end

Environmental Dashboard, Oberlin, OH   September 2019 - Present
Software Engineer
- Design and implement web applications in JavaScript and Ruby, to display environmental statistics through interactive maps and exhibits around campus and the greater Cleveland area
- Collaborate with the software development team, writing and editing scripts to manage building's electricity and water use color indicator orbs

Coldbirds, New York, NY   October 2019 - Present
Co-Founder
- Manage day-to-day operations of a hand-printed clothing company, including social media, database management, product fulfillment, and advertising
- Created and maintain an E-commerce website that has attracted thousands of users from across the globe using SEO and marketing tactics, totaling over ten thousand dollars in sales
- Track online traffic patterns, such as user engagement and store conversion rate, through various sales channels such as Shopify, Instagram, Facebook, and Point of Sale

TripAdvisor, Needham, MA   June 2018 - August 2018
Search Engine Marketing Intern
- Worked on the creative and targeting teams, implementing A/B tests on various Search Engines across the globe
- Queried databases using SQL to audit and analyze metrics for thousands of existing online ads

SELECTED PROJECTS

TruQu (https://github.com/oliverripps/TrueQu)   Spring 2021
- Building a full stack React App using Firebase and Firestore to host collaborative Spotify Queues for parties, gatherings, and road trips

Environmental Exhibit (github.com/EnvironmentalDashboard/online-exhibit)   Spring 2020
- Collaborated on an online exhibit for the Great Lakes Science Center, programmed in Ruby

Scheme Interpreter (github.com/oliverripps/SchemeInterpreter)   Fall 2020
- Developed a Racket/Scheme interpreter that can parse through and evaluate basic Racket/Scheme

SKILLS & INTERESTS

Languages: JavaScript, Java, Python, TypeScript, R, Scheme, C, HTML, CSS, Bash Shell Scripting, Ruby
Libraries, Frameworks & Technologies: React, Redux, Material UI, SQL, Git, Firebase, Firestore,a Twig