

OLIVER RIPPS

(646) 484-0866

oliver.ripps@gmail.com • github.com/oliverripps
www.linkedin.com/in/oliverripps • oliverripps.github.io

EDUCATION

Oberlin College, Oberlin, OH

August 2019 - Present

B.A. in Computer Science and Economics and Statistical Modeling expected May 2023

- GPA: 3.86
- Relevant Coursework: Introduction to Computer Science, Data Structures, Web Development, Introduction to Computer Architecture, Systems Programming, Programming Abstractions, Human-Computer Interface, Algorithms, Databases, Calculus I, Discrete Mathematics, Introduction to Statistics, Statistical Modeling

EXPERIENCE

Twine, Oberlin, OH

January 2021 - Present

Software Engineer Intern

- Streamlined Twine's event submission process by developing a form using React, Material UI, and Redux, integrating a call to a generative text prediction model to suggest tags for events
- Developed a backend admin event tagging and vetting web app to ensure event integrity

Product Manager

- Orchestrate and Conduct Usability and Feature testing interviews with Twine users and Oberlin Students
- Created roadmap for expansion to new campuses, including designing a campus ambassador program

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, traffic analytics, 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

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

Friend Suggestion Algorithm

- Designed and implemented a back-end scoring algorithm, using TypeScript, to rank Twine's user's likelihood of knowing each other with a combination of behavioral data and stated interests and preferences, in order to display ten friend suggestions in a user's profile

F(x)

- Built a full-stack React Native Expo App for the App Store using Firebase and Firestore to track parties on an interactive heat map, integrating the Apple Maps API, as well as a real-time discussion feature

Poker Odds Calculator

- Designed and built a brute force simulation algorithm and front-end with JavaScript to predict the odds of winning a given game of Texas Hold'em Poker, depending on a given amount of players
- Developing an optimized algorithm to decrease run time and improve user experience

SKILLS & INTERESTS

Languages: JavaScript, Java, Python, TypeScript, R, Scheme, C, SQL, HTML, CSS, Bash Shell Scripting, Ruby

Libraries, Frameworks & Technologies: React, React Native, Redux, Docker, Material UI, Git, Firebase, Firestore, Twig, MongoDB, Expo