

# Dillon Petito

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Software Engineer specializing in Full Stack Javascript with React, React Native, Redux, and Node.js.

## RECENT PROJECTS

### Monitor 2018

React Native mobile app that keeps track of Ethereum transactions. Uses Firebase Functions written in Typescript to manage user auth, webhook subscriptions to the blockchain with a secure REST endpoint for triggering push notifications, subscriptions to database events that trigger external APIs, and more. In beta via Testflight.

### Bitcoin Transaction Stream 2019

React Redux web app that visualizes unconfirmed transactions and confirmed blocks as they happen live on the Bitcoin blockchain. Uses websockets with redux-saga. Styled with styled-components and built with the presentational/container design structure.

## SELECTED EXPERIENCE

### GunControlGrades.org 2018

Created a React and react-router web app that allows users to create a personalized voting card for the 2018 midterm elections based on their state candidates' stances on gun control. Designed with extensive event-based analytics. Made for Jonathan Horowitz and Downtown For Democracy.

### Artist Assistant, Jonathan Horowitz 2017-Present

Created and maintained several websites for the artist and his projects. Developed Node.js software that entirely automated the artist's printmaking process. Photo, graphic, 3D, and video post-production.

### Marketing Coordinator, VFILES 2016-2017

Managed production, release, and analytics for media across all digital communication platforms, including an instagram account with over 300,000 followers.

### Digital Preservation Fellow, Rhizome 2016

Audited historical web-based artworks for re-staging in the Net Art Anthology. Archived new works with Webrecorder software. Wrote about the history of art on the web.

## EDUCATION

### New York University, Gallatin 2012-2016

B.A. Individualized major concentrating in contemporary and digital art history and critical theory.

### FreeCodeCamp 2018

Full Stack certification, representing 1800 hours of coursework.

### Harvard CS50: Introduction to Computer Science 2018

Algorithms & data structures, resource management, security, and web development in C, Python, SQL, Javascript and more.

### Harvard CS50 Mobile App Dev. with React Native 2018

React Native and Redux; debugging and testing for mobile with Jest.

## SKILLS

### GENERAL

- Object Oriented Programming
- Algorithms & Data Structures
- Responsive Web Design
- Mobile Development
- Data Visualization
- APIs and Microservices
- QA Testing, Debugging, and Security
- Package Management
- Version Control

### FRONT END

- React expert
- React Native confident
- Redux confident
- Styled Components confident
- jQuery confident
- D3js familiar
- Flask familiar

### BACK END

- Node.js expert
- RESTful API confident
- Firebase confident
- Heroku familiar
- Express familiar
- MongoDB familiar
- SQLite familiar
- Helmet.js familiar

### SOFTWARE

- NPM & Yarn expert
- Git & Github expert
- VS Code expert
- Adobe Suite expert
- Chrome Devtools confident
- Expo confident
- XCode beginner

### LANGUAGES

- Javascript ES6 expert
- Python expert
- HTML5 & CSS3 expert
- C familiar
- Typescript familiar
- Sass familiar
- Swift beginner

### OTHER LIBRARIES

- Bootstrap expert
- Hugo confident
- Dat & Beaker Browser familiar
- GraphQL beginner
- Urbit beginner