

# 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 endpoint for triggering push notifications, subscriptions to database writes that trigger external API calls, and more. In beta via Testflight.

### GunControlGrades.org 2018

`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. Mobile-first design with extensive event-based analytics. Made for Jonathan Horowitz and Downtown For Democracy.

## SELECTED EXPERIENCE

### 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, VFILS 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 `Chai`.

## SKILLS

### GENERAL

- Algorithms & Data Structures
- Responsive Web Design
- Mobile Development
- Data Visualization
- APIs and Microservices
- Database Design
- QA Testing and Security
- Package Management
- Version Control

### FRONT END

- `React` expert
- `Bootstrap` expert
- `React Native` confident
- `Redux` confident
- `jQuery` confident
- `d3js` familiar
- `Flask` familiar

### BACK END

- `Node.js` expert
- `NPM` & `Yarn` expert
- `RESTful API` confident
- `Firebase` confident
- `Express` confident
- `Heroku` familiar
- `MongoDB` familiar
- `SQLite` familiar
- `Helmet.js` familiar

### SOFTWARE

- `Git` & `Github` expert
- `VS Code` expert
- `Adobe Suite` expert
- `Chrome Devtools` confident
- `Expo` confident
- `XCode` beginner
- `Beaker` & `dat://` beginner

### LANGUAGES

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