

# Cole Ellison

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- EDUCATION**
- Feb 2018 **Middlebury College** // Middlebury, VT  
BA Mathematics // GPA 3.7  
College Scholar and Dean's List  
**Relevant Coursework:** Data Structures, Linear Algebra, Multivariable Calculus, Abstract Algebra, Real Analysis, Differential Curves and Surfaces, Stochastic Processes, Algorithms
- June 2016 to Aug 2016 **Horizons Technology Fellows Program** // Philadelphia, PA  
Software Engineering, Entrepreneurship

- EXPERIENCE**
- June 2016 to Dec 2016 **Lead Mobile Engineer** // Clink
- Clink is a location aware iOS app for finding and rating nightlife venues near you
  - Built native iOS app with ReactNative components from client mockups
  - Architected a RESTful and modular backend using NodeJS and Express
  - Designed and optimized schema for efficiently storing user data in MongoDB
  - Worked in a team of 3 developers using agile practices and weekly client syncs
  - Wrote detailed and complete specs and documentation for backend services to ensure smooth client integration
- June 2013 to Sept 2015 **Chief Graphic Designer** // Make Wild, LLC
- Chief graphic designer for a design company of <10 employees
  - Lead design for commercial advertising campaigns and project proposals

- PROJECTS**
- Dec 2016 to Jan 2017 **Blackbox** // [hackathon.io/759281](http://hackathon.io/759281) // [github.com/EagleWuDev/blackbox](https://github.com/EagleWuDev/blackbox)
- Blackbox is a ReactNative iOS app that detects possible car crashes and stores footage of the incident in the IPFS blockchain with Ethereum
  - Designed collision detection algorithm based off of phone accelerometer sensors
  - Implemented a collision watch mode that sends footage from before and after a detected incident
- Sept 2016 **Express Status Helper** // [github.com/crellison/esh](https://github.com/crellison/esh)
- Designed simple NPM package to assist with error handling in Express applications
  - Resulted in 10% reduction in total codebase lines by standardizing error handling
- July 2016 **Hex Palette** // [hexpalette.com](http://hexpalette.com) // [github.com/crellison/hexpalette](https://github.com/crellison/hexpalette)
- Implemented an entirely client-side web app with no server or database by exploiting local storage
  - Built entirely on ReactJS to ensure rapid rendering
  - Featured on the ProductHunt front page on launch day with 80 votes

- LEADERSHIP**
- Jan 2014 to Present **Public Speaking Coach** // Oratory Now
- Led individual and group workshops on improving confidence and effectiveness in public speaking
- Sept 2016 to Present **Board Member** // Addison County Bike Club (ACBC)
- Acting ambassador for the Middlebury College bike community to the ACBC
- Dec 2013 to Dec 2015 **Advertising Chair** // Middlebury Mountain Club
- Designed social media and print advertising campaigns for campus events

**SKILLS**

JavaScript	HTML5	CSS3	jQuery	NodeJS	Express	React
ReactNative	Python3	Sketch	Illustrator	Git	Java	MongoDB

- LANGUAGES**
- English** native  
**Spanish** full professional proficiency