

# Jamie Charry

Creative Coder | Full Stack Developer  
Brooklyn, NY

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github [github.com/jcharry](https://github.com/jcharry)

## Education

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- 2017 M.P.S  
NYU Interactive Telecommunications Program  
Focus on web application development in the public interest
- 2012 B.Sc Physics  
Northeastern University  
Magna Cum Laude

## Experience

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### Freelance Web Development

- 2016 - 2017 Institute of Public Knowledge - Map of NYC Food  
Sole developer leading front and backend development for React/Node based site.  
Implement interactive map, REST-ful API for database, heroku deployment.

### Makerbot

- 2014 - 2015 Hardware Project Manager  
Initiated and led customer research effort. Introduced agile techniques into hardware team. Managed timeline and budget of Next-Gen 3D printer.
- 2013 - 2014 Test Engineer - Hardware/Software  
Developed and executed test plans. Thoroughly tested Makerbot Digitizer and 3D photobooth. Led onsite installation of photobooth.

### Utrecht University

- 2011 Research Assistant - Nanophotonics group  
Performed FDTD simulations of light entering thin-film photovoltaic cells. Utilized Unix based supercomputer to perform computationally intensive simulations.

## Skills

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### Languages

Javascript/ES6  
HTML/CSS/SASS  
Python

### Frameworks

React/Redux  
MapboxGL  
jQuery, D3, HTML5  
canvas

### Back-end

Node/Express  
Webpack  
NoSQL (MongoDB)  
Nginx & Unix

## Side Projects

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- 2016 - 2017 Javascript Physics Engine  
Pure javascript implementation of a basic physics game engine, for fun.  
[github.com/jcharry/sciplay](https://github.com/jcharry/sciplay)