

## TECHNICAL SKILLS

**Strong:** Javascript, Node/Express, Socket.IO, Angular, HTML5, CSS3, Git, Photoshop, jQuery, Lodash, MongoDB, MySQL

**Experienced:** Python, Java, Ruby, CoffeeScript, Android, Backbone, D3, BookShelf

## RECENT PROJECTS

### Moringa School Admissions Engine | Full-Stack Software Engineer (Product Owner)

*Custom-built automated email server with front-end markdown editor for Nairobi-based Coding Bootcamp*

- Built email server using Node.js with MongoDB, interfaced with Wufoo and Google Spreadsheets APIs
- Designed front-end Markdown email templating interface (with live HTML preview) with Socket.IO

### Kardia.io | Full-Stack Software Engineer (SCRUM master)

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

*Open source developer kit that brings ECG-based biometrics to the world, in collaboration with Kardia.io*

- Designed Python server and script to analyze ECG readings, programmed Arduino to emit ECG data
- Developed Swift iOS app that receives and displays streaming data over bluetooth from Arduino

### Confusion-Pulse | Full-Stack Software Engineer

[github.com/RadioactiveNightmareLabs/Confusion-Pulse](https://github.com/RadioactiveNightmareLabs/Confusion-Pulse)

*App that graphs levels of student confusion and annotates transcribed audio when levels exceed a set threshold*

- Implemented logic to capture and annotate transcribed audio on teacher's client using Socket.IO and D3

### FreeForAll | Full-Stack Software Engineer (Product Owner)

[github.com/RadioactiveNightmareLabs/FreeForAll](https://github.com/RadioactiveNightmareLabs/FreeForAll)

*Geolocation-based app listing free items, events, and venues (museums, art galleries etc.) in user's proximity*

- Built RESTful API on Node to deliver aggregated data to client from Google Places, Eventbrite, Kimono Labs APIs

## PROFESSIONAL EXPERIENCE

### Hacker in Residence, Moringa School, Nairobi

- Lectured on algorithms, complexity, and data structures and built internal software tools
- Developed Toy Problem curriculum in Java and Ruby and presented solution lectures
- Created content for and ran community Javascript and HTML5/CSS3 workshops

2015

### Hacker in Residence, Hack Reactor, San Francisco

- Delivered Javascript algorithm lectures as part of instruction team
- Held technical interviews for prospective students, provided technical mentoring for current students

2015

### Global Academic Fellow, NYU Shanghai, Shanghai

- Organized university's first hackathon as advisor to student entrepreneurship club, Startup Shanghai

2013-2014

### Asia Regional Coordinator and Development Officer, Waterkeeper Alliance, New York

- Created fundraising and advocacy campaigns with 19 environmental orgs in China, Bangladesh, and India

2012-2013

## EDUCATION

**Hack Reactor** Advanced Software Engineering Immersive

2014-2015

**UC Berkeley** The Structure and Interpretation of Computer Programs (SICP) (CS61A)

2014

**University of British Columbia** B.A. Asian Language and Culture, *Departmental and Faculty Awards*

2009-2011

## INTERESTS

Competitive Squash, Running, Ultimate, Chinese Language, Meditation, Stir-Frying, Repairing Bikes and Appliances