

# Ken Hoff

## Full-stack Product Engineer

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## Work Experience

### Hofftech Design + Development

Spring 2016 to present - <https://hoff.tech/>

### RunLife Analytics

Longmont, CO - <http://app.runlife.run>

- Built a survey tool with Node.js backend for collecting runner information and generating personalized running training plans
- Implemented multivariate linear regression machine learning algorithm to predict runner 5k time based on age, weekly mileage, whether they had a dog, and other variables
- Interactive visualization tool to help discover new insights about dataset of runners - e.g., that a runner's 5k time is strongly correlated with their BMI

### Vermilion Design + Digital

Boulder, CO - <https://www.vermilion.com/>

- Quickly transitioned to serving as the primary frontend developer for an existing client
- Implemented extremely complex, intricate, responsive frontend designs with designer and client feedback
- Solved unusual web-related problems with integral frontend web dev knowledge, such as responsive tables, carousels from scratch, and mobile navs

### Harbour Funerals

London, UK - <https://harbourfunerals.com/>

- Implemented responsive designs across the entire site, including HTML emails that render the same in Gmail, Outlook, and other email clients
- Ensured **IE9** compatibility on every page - including flexbox, input placeholder, and Google Analytics event tracking support
- Re-architected HTML templates and deduplicated thousands of lines of redundant frontend code

# Frontend Web Development Instructor at Spark Boulder

Spring 2016 to present - <https://classbot.hoff.tech/>

- Developed and taught a 30-hour introductory frontend web development curriculum from scratch
- Built `@classbot`, a Node.js Slack bot designed to accept assignment submissions, grade the assignments, and give immediate feedback the students
- Built the **Spark Frontend Web Development Social Network**, a Node.js backend + REST API that the students were required to build a frontend to <https://spark-class-social-network-api.hoff.tech/>

## Microsoft

Summer 2015 to Winter 2016 - <https://azure.microsoft.com/en-us/services/active-directory/>

- Program Manager on the Azure Active Directory: Identity and Access Management team
- Served as product lead for the Unified Audit Log Reporting API, where it had 50% week-over-week growth rate in enterprise production environments
- Oversaw and served as SME on a vendor-built enterprise demo generation platform, saving enterprise sales reps countless hours setting up and managing their demo environments
- Organized the AAD Intern team for the 2016 Microsoft Hackathon, and served as product manager, project manager, and dev lead for the interns during the event

## Side Projects

- **Barfly Orders** - Full-stack Node.js, React, and RethinkDB web app to make it easier for bar managers to order liquor every week - <https://barflyorders.com/>
- **Harder Better Faster Ipsum** - Endlessly-scrolling, configurable Daft Punk-themed lorem ipsum generator - <http://harderbetterfasteripsum.hoff.tech/>
- **Technical Talks** - Recently gave the "Unit Testing React Components" talk at the Feb 2017 DenverScript meetup - <https://hoff.tech/talks/denverscript/>

## Technical Skills

### Strong

Node.js, React, ES6, RethinkDB, HTML templating languages, CSS preprocessors, web scraping

### Knowledgeable

Postgres, Redux, Vue, websockets, API design, webpack

## Education

2013 B.S. in Computer Science, University of Colorado at Boulder