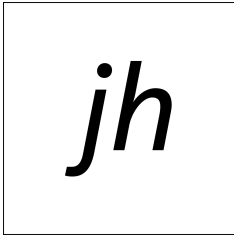


# Joel Hawkins



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🌐 [linkedin @hwksnj](https://www.linkedin.com/in/joelhawkins)  
🐙 [github @hwksnj](https://github.com/joelhawkins)

I'm a web developer focusing on JavaScript with over six years of experience, though my skill set is extremely diverse. Having worked on agile teams, directly with clients, and high-level executives, I deliver efficient, optimized applications that utilize the latest development tools & best practices. With extensive experience developing web applications & APIs, I consider myself a JavaScript Developer rather than a "full stack developer"—a term that doesn't emphasize the importance of design. My background in front-to-back development gives me the unique ability to create intuitive, cohesive applications that take full advantage of the interactive nature of the web—always elegant and efficient. Formally educated in physics, mathematics, computation, music composition, and digital art, I bring a multidisciplinary approach to problem solving. This unique strength leads me to find creative solutions to difficult problems.

Maintaining a high level of professionalism, a positive attitude, and an open mind, I thrive in team collaboration. My affinity for prompt, eloquent communication and meticulous eye for detail are rare yet important qualities in my line of work—I constantly seek to improve these skills through each verbal or written interaction. With a strong aptitude for quick-learning and ability to adapt to new environments/technologies, I am able to identify & fix inefficiencies in business & production processes with continuous innovation and create beautiful, efficient solutions.

I graduated from Reed College (B.A. Physics, 2015) where I wrote a thesis quantifying visual properties (i.e. entropy) of complex patterns formed by nonlinear reaction-diffusion systems (e.g. initially discovered by Turing). Utilizing a new & increasingly complex mathematical method known as homology, I performed programmatic analysis of the patterns' visual qualities and built an [interactive webpage](#) to present this complex information. I authored extensive documentation enabling further development of this topic by successive Reed students. The full text and interactive visualization are available on [my thesis page](#).

I'm constantly seeking new & interesting opportunities in web development, data science, manufacturing, and design. Specific skills are listed below, but they are always expanding. Visit [joelhawkins.info](http://joelhawkins.info) or my design portfolio at [joel.fm](http://joel.fm) for more information, recent projects, work examples, and links to my social sites.

Artist site: [jpng.info](http://jpng.info) | CV: [wc.hwks.biz](http://wc.hwks.biz)

## SKILLS & INTERESTS

### Computer Skills

Fluent | JavaScript ES6/7, Node.js, React.js, Redux, Babel, Webpack, Grunt, Gulp, HTML5/CSS3, PHP, jQuery, Wordpress, Bootstrap, SASS/SCSS, PostgreSQL, MySQL, MS SQL, Python, Git, Apache, Unix/Bash, Tableau, MS Excel, Adobe Creative Cloud.

Skilled | Jest, AWS (DynamoDB, S3, Lambda), Final Cut Pro.

Learning | Angular 2, React Native, D3.js, WebGL, AWS Cert., WebRTC, Next.js.

### Spoken Languages

English (native), Spanish (conversational).

### Interests & Hobbies

Fashion/apparel, modeling, music production, classically trained vocalist, hip-hop dance, distance running.

## EXPERIENCE

### EasyKicks

Feb.–Apr. 2018

Portland, OR

Developed new features for EasyKicks web app, performed bug fixes, and suggested improvements for product & infrastructure.

Built front-end UI components in React.js/Redux consistent with the latest tools & technologies.

Implemented logic to provide customer with specific payment error messages using Stripe API.

Enhanced user's order history page to provide more detailed transactions.

Contributed perspective on technical product decisions, concurrent with latest JS / web dev tools.

### Front-end Web Developer

Nike Innovation Accelerator | Contract

### Nike, Inc.

Feb. 2016–Mar. 2017

WHQ, Beaverton, OR

### Resident Physicist & Innovation Engineer

Advanced Manufacturing | Contract

Innovated advanced product creation processes of Nike FlyKnit footwear tech. via continuous software infrastructure updates to maximize efficiency.

Optimized dispatching of unique work orders to factory floor; designed automated Node.js API connected to AWS S3/Lambda/DynamoDB to deliver unique machine-specific production files/info generated 'on-the-fly' to operators on factory floor, eliminating all manual labor.

Developed multi-platform Manufacturing Execution System & REST API (Node.js, PSQL) maintaining realtime work-order database. Extensively tested to ensure non-blocking efficiency & stability at massive scale.

Authored extensive documentation of MES to allow further development; the codebase executes manufacturing of Nike's new FlyKnit Apparel product line.

Identified inefficient stages in FlyKnit production processes, delivering unique merchandise to consumers in unprecedented delivery time while minimizing waste.

Collaborated with manufacturing, design, and software teams to mitigate design concepts with engineering challenges for new products.

Performed exhaustive manufacturing tests with data analysis, reporting on factors affecting efficiency & impact of other variables.

Developed & demonstrated weekly agile/iterative enhancements to user experience and internal workflows, benefiting Nike designers, engineers, and project managers.

Extended advanced features for the PPM tool *Workfront* with custom Node.js API & web form to optimize submission & management of new product test orders.

Developed graphical React.js web app displaying real-time work order status, continuously updating, and notifying progression at each stage.

Configured & deployed numerous Node.js+Express or Apache web servers on Linux/Windows/Mac.

### 1SEOExperts

Aug. 2017–present

Portland, OR

### Web Developer

Ad hoc Development

Developed fully functional online dating & networking platform, powered by PHP and MySQL.

Encouraged new user adoption by utilizing familiar social-network elements, zero learning curve.

Successfully migrated WordPress sites/DBs to new servers with zero downtime & no data loss.

Designed beautiful, contemporary UI overhaul while maintaining existing brand recognition.

Optimized pages for mobile, all screen sizes with responsive CSS and cross-platform compatibility.

Resolved common email delivery issue by configuring DKIM & SPF credentials to avoid spam filter.

Performed SEO for clients, typically boosting rankings to top 5 Google results.

Designed custom API to sanitize & migrate CRM data to specialized reporting software.

Developed under intense pressure, severe deadlines while maintaining best practices.

### Modern Adventure

Oct.–Dec. 2017

Portland, OR

### UI/UX & Web Designer

Curated Luxury Travel Agency

Collaborated with CEO to gather requirements, communicate progress & respond to feedback.

Designed unique web experience for upcoming 'Portland Weekend' itinerary using Adobe XD.

Delivered interactive design demo in accordance with consistent style guides.

### jpng.info

2014–present

### Digital Artist & Web Designer

Digital Collage & Interactive JS Artwork

Designed & coded fully automated, interactive HTML/CSS/JS Internet art project & digital collage.

Targeted Facebook & Instagram ads using analytics to maximize outreach.

Garnered thousands of engaged international Facebook & Instagram followers.

## EDUCATION

### Reed College

Portland, OR

Senior Thesis

### Bachelor of Arts in Physics

Class of 2015 | Advisor: Daniel Borrero

*Topological analysis of complex reaction-diffusion patterns* ([joelhawkins.info/thesis](http://joelhawkins.info/thesis))