

CHRIS-KIRK SOFTWARE ENGINEER

cperryk@gmail.com
chrispkirk.com
cperryk

I'm a software engineer with a decade of experience. I've worked across a variety of problem spaces on teams both large and small, playing critical roles in high-profile projects. My passion is finding the elegant solution hiding in every complex problem.

EXPERIENCE

Lifion by ADP

Senior Platform Engineer

2018 - Present | New York City | Full time

- Designs and implements a new GraphQL API, backed by TypeScript microservices running in Kubernetes clusters
- Created an API gateway exposing a unified data graph with schema stitching and Apollo Federation
- Leads my team's adoption of TypeScript and GraphQL and consults for other teams
- Iterates on a sophisticated product delivery system, working closely with product owners, designers, and end users in a Scrum process
- Rethinks domain models and rebuilds legacy systems, with a focus on test-driven development, multi-paradigm programming, and domain-driven design
- Mentors junior devs and gives technical presentations monthly
- Augmented the Lifion platform to support integrations with GraphQL APIs
- Played a key role architecting a critical data processing tool under a tight deadline and leading a team of developers to iterate on it
- Developed a new end-to-end testing tool in TypeScript

New York Magazine

Senior Full-stack Engineer

2016 - 2018 | New York City | Full time

- Spearheaded the full-stack engineering of The Cut's [homepage redesign](#)
- Single-handedly built a stream-based Node microservice responsible for generating homepages with Elasticsearch

- Helped introduce event streaming with Kafka
- Designed a dynamic client-side JS dependency analysis and bundling system, reducing response payloads on article pages up to 18 percent
- Contributed to the in-house content platform and its Vue-based page editor
- Built [The Year In Memes](#), a National Magazine Award finalist
- Wrote a data migration tool to transfer thousands of assets across sites
- Contributed to Python, GoLang, Java, and Scala systems
- Oversaw major Elasticsearch and Mongo upgrades

Slate.com

News Apps Engineer

2012 - 2016 | New York City | Full time

- Coded full-stack in JavaScript, Express, React, and MySQL to make interactive visualizations, games, maps, and news apps
- Built apps that told important stories about [gun violence](#), [dark money](#), and [gentrification](#)
- Produced some of Slate's most recognizable work, including the [Game of Thrones Graveyard](#) and [Middle East Friendship Chart](#)
- Developed news games, such as the [Gerrymander Jigsaw Puzzle](#), [Friday News Quiz](#), [Electoral Map Quiz](#), and [Starbucks Quiz](#)
- Built Slate's [Gun Deaths](#) project, featured on NPR, MSNBC, and The Daily Show.
- Engineered the [Outrage Calendar](#), a National Magazine Award finalist
- Architected a dynamic quizzing platform for producing [audio](#) and [video](#) quizzes

- Crafted a Node-based desktop email client and chronicled my effort in a [long-form piece](#)
- Managed a junior interactives developer and three interactives interns
- Broke Slate's all-time traffic record with the "[Travoltify Your Name](#)" generator

City University of New York

Adjunct Lecturer

2015 - 2016 | New York City | Part time

Taught data journalism, HTML, JavaScript, and R to graduate students with my own coursework

Freelance Web Development

2007 - 2014 | Part time

Built websites and apps for small and large businesses, including Sony and Music a national eyeglass repair franchise

Pittsburgh Post-Gazette

News Apps Intern

Fall 2011 | Pittsburgh | Full time

Engineered news apps, including an [interactive timeline](#) of the Penn State scandal

Yahoo!

New Media Intern

Summer 2010, Summer 2011 | Sunnyvale, CA | Full time

Evaluated geoparsing software crucial to product strategy

Evanston Now

News Reporting Intern

Summer 2010 | Evanston, IL | Full time

Reported on city council and crime, producing 63 stories, including 11 video stories

EDUCATION



Northwestern University
Graduated March 2012
Magna Cum Laude

- ☒ Bachelor of Science in Journalism
- ☒ Double major in Political Science
- ☒ Took courses on interactive journalism and computer programming
- ☒ Served three years on the *Daily Northwestern* in various editorial, creative,

SKILLS

JavaScript	Streams	Babel
TypeScript	Jest/Mocha	Webpack
Node	Express	Browserify
GraphQL	Kinesis	Git
Apollo	Vue	Grunt/Gulp
React	Docker	Handlebars
Redux	Knex	MySQL
React Native	jQuery	MongoDB
Kubernetes	D3	SASS
Elasticsearch	Sequelize	HTML Canvas
RxJS	TypeORM	AWS

RECOGNITION



Finalist, Multimedia Feature, National Magazine Awards 2017



Best Single-Topic News or Feature, Education Writers Association, 2016



Finalist, Multimedia Feature, National Magazine Awards 2015



1st Place, Multimedia Feature, Associated Collegiate Press 2011



1st Place, Photo Essay in a Daily Newspaper, Ill. College Press Assoc.

