

Patrick Hulce

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Accomplished engineer and leader with industry-level impact and a love of JavaScript.

Engineering Experience

Software Engineer **Compass** *JavaScript*

November 2021 - Present

- Über Tech Lead of Compass Platform Experience, responsible for frontend architecture across the entire company (200+ apps driving \$6B in annual revenue).
- Prior to 2023, Über Tech Lead of Sell Side (~120 ICs), responsible for 8 major products (FE+BE).
- Created and chaired an org-wide architecture design review process (20+ projects reviewed).
- Authored and taught a company-wide technical writing training series (9.4 NPS).
- Developed a novel JS meta framework, reduced the cost of cross-team integrations by ~80%.
- Crafted data-driven AWS guidelines, enforced company-wide for \$1.8M in cost savings.

Founder, Manager, Engineer **Eris Ventures** *JavaScript*

September 2018 - October 2021

Optyx App (Acquired) - Drove product from concept to close, deep technical complexity from UI to AI.

- Developed [Optyx](#), an AI culling app that automatically selects the best photographs from an event using custom ML models, trusted by thousands of professional photographers.
- Managed a nimble remote team responsible for marketing, design, and product.

JavaScript Expert Consultant - Led engineering teams, advised non-engineering stakeholders.

- Bootstrapped the company with \$1M+ in multiple web performance consulting contracts.
- Developed a reputation as a leading expert on third-party JavaScript performance ([media coverage](#), [academic citations](#)), consulting for Google, training requests from top-tier ad tech).
- Primary maintainer on open source JS projects with ~30M monthly downloads and ~400 contributors including jpeg-js (~10.4M), third-party-web (~1.8M), Lighthouse CI (~400k).
- Co-author of the 2019 Web Almanac (~126k readers, ~20 academic citations).

Software Engineer **Google** *JavaScript, C++*

November 2016 - September 2018

- Engineer on Chrome and tech lead for Project Lantern, Google's browser simulation initiative.
- Maintainer of Lighthouse, the canonical open source performance measurement tool for web developers (1M+ MAUs, 23k stars) and embedded by dozens of other tools, including Chrome.
- Author of the Performance category in Lighthouse, developed metric implementations, crafted optimization advice, and propelled the project to over a million MAUs from a few thousand.
- Fostered an inclusive open source community with hundreds of contributors, thousands of pull requests, and 2-hour median issue response times.

Software Engineer **Solvvy** *JavaScript, Java, Python*

November 2015 - November 2016

- First engineer after an enterprise pivot, wore multiple hats: pitching to customers, managing a remote engineering team, and developing everything across the stack.
- Built everything from administrative UIs to ML/NLP data pipelines to the public-facing APIs.

Multiple Engineering Roles *JavaScript, Scala, Java, Python, C#, PHP*

May 2009 - October 2015

BrightRoll *JavaScript, Scala* · **Google** *JavaScript, Java* · **50onRed** *JavaScript, Python*

NextDocs *JavaScript, C#* · **Valkyrie Systems** *JavaScript, PHP* · **The Game Guru** *JavaScript, PHP*

Education

University of Pennsylvania

summa cum laude

Bachelor of Applied Science in **Computer Science**

GPA 3.89 / 4.0

Personal Projects & Interests

(projects) www.mikescerealshack.co · hulce.photography · www.bardos.foundation

(interests) The Office · Photography · Fantasy Football · Running · Spartan Races · Ultimate Frisbee