Patrick Hulce

(901) 288-4458 /* patrick.hulce@gmail.com */ patrickhulce.com

Experienced software engineer with a passion for the web, developer tooling, and photography.

Education

University of Pennsylvania   *summa cum laude*

Bachelor of Applied Science in **Computer Science**   GPA 3.89 / 4.0

Work Experience

Founder, CEO, Engineer **Eris Ventures** *JavaScript, React, Electron*   September 2018 - Present

- Bootstrapped a photography software company while managing $1M+ in JavaScript development and web performance consulting contracts.
- Developed Optyx, an AI culling app that automatically selects the best photographs from an event using computer vision that has saved thousands of photographers from manually inspecting more than 5 million photos.

Software Engineer **Google** *JavaScript, C++*   November 2016 - September 2018

- Engineer on Chrome DevTools and TL for Project Lantern, Google's next-gen web performance measurement engine highlighted at *Google I/O 2018* in *The Web: State of the Union*.
- Maintainer of Lighthouse, the web best practices auditing tool embedded in Chrome and powering Google Search's PageSpeed Insights tool for webmaster SEO advice.

Software Engineer **Solvvy** *JavaScript, Java, Python*   November 2015 - November 2016

- First engineer after an enterprise pivot, wore multiple hats: interfacing with customers, managing a remote engineering team, and developing everything across the stack.
- Oversaw all development throughout rapid prototyping and early product market fit phases.
- Built everything from administrative UIs to ML/NLP data pipelines to the public facing APIs.

Software Engineer **BrightRoll** *(Acquired by Yahoo)* *JavaScript, Scala*   January 2015 - October 2015

- Full-stack engineer on the UI and APIs for the BrightRoll DSP.
- Identified as one of Yahoo's top thirteen young software engineers and selected for the Engineering Associates Program by David Filo, co-founder of Yahoo.
- Architect of BrightRoll DSP's v2 search API, decreased CPU usage and error rates 70%.
- Built components to scale Yahoo's knowledge graph beyond 2B+ entities.

Multiple Engineering Roles *JavaScript, Java, Python, C#, PHP*   May 2009 - August 2014

- *Google* - Full-stack engineer on Google+ Stories. Developed a flexible JavaScript layout engine, the foundation of the Google Photos web client for Stories.
- *50onRed* - Front-end engineer on the client-facing advertiser platform. Developed web UI components and browser extensions to leverage the 50onRed marketplace.
- *NextDocs* - Full-stack architect behind NextDocs ETL product. Interfaced with clients to define product requirements and developed a SharePoint extraction and reporting tool.
- *Valkyrie Systems* - Full-stack architect behind main product Publication CMS for school systems. Developer evangelist for the product at the Columbia Scholastic Press Association Convention.
- *The Game Guru* - Full-stack developer maintaining an ecommerce site with custom mods and bots for popular PC and web games, reaching ~13K MAUs at its peak.

Personal Projects, Open Source Work, Publications, Technologies Used

(projects) www.mikescerealshack.co . cuzillion.com . hulce.link/introvert-activism
(open source) lighthouse . jpeg-js . lighthouse ci . third-party-web . testing-library . fontmin-webpack
(published) co-author Web Almanac 2019 . research covered by The Register, BBC News
(technologies) react . angular . express . flask . play . webpack . jest . puppeteer . tensorflow