Maynard (legally, Eli Maynard)

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Personal Projects

Mation Dec 2022–now github.com/quelklef/mation	• Front-end web framework written in PureScript • Based on Elm; adds features like components, stateful IO, and flexible view pruning, but avoids complexity like slots, lifetimes, and messages • Currently used in production at Live247.io
ζ 2021–now z.maynards.site	• Bespoke note-taking/journaling software • Boasts features like: extensible formats, embedded TeX, automatic cross-note linking, inline footnotes • JavaScript, HTML, Bash, LaTeX, Nix • Hosts my personal notes, mostly on math, mostly Category Theory and Abstract Algebra
Fitch 2018 maynards.site/fitch	• Interactive theorem assistant for Fitch-style natural deduction • Originally JavaScript, HTML, CSS; since rewritten in PureScript • Used by a former teacher in his current logic classes!

Technical Skills

- **Langs (proficient):** Haskell, (Java|Pure|Type)script, Nix, HTML/CSS, (Postgre)SQL, Python
- **Tools:** Git(Hub), (La)TeX, NixOps, Bash, Kakoune, purs-nix

Positions

Live247 Nov 2022–current Co-founder	• Sole developer for the front- and back-ends of Live247.io (>25k LOC, mostly PureScript and JavaScript) • PureScript, JavaScript, Nix, PostgreSQL, HTML, CSS • Customer support, project management, code architecture, UI design
Platonic.Systems Nov 2020–Jul 2024 Haskell contractor	• Full-stack Haskell development for Interos and Ageto Energy • Haskell, Nix, PostgreSQL, JavaScript, HTML, CSS • Also InfluxDB, SQLite, Grafana
University of Maryland Jun 2018–Nov 2019 Intern	• Working under Prof. Gasarch in the Dept of Math to research approximations of the Van der Warden function from Ramsey Theory • Utilized programming (Nim, Python) and pencil-and-paper math!

Academics

- **U. of California, Berkeley (2022–current):** Auditing. Model Theory, Set Theory, Category Theory. Currently teaching Category Theory.
- **U. of Minnesota (2021–2022):** Audited. Topology, Coding Theory, Abstract Algebra.
- **Lewis & Clark College (2019–2020):** Computer Graphics, Linear Algebra. 3.89 GPA.
- **Montgomery Blair HS (2016–2019):** Math+CS magnet. Logic, Discrete Math, Calc I–III, Complex Analysis, Algorithms / Data Structures, Computer Graphics, DiffEq, Statistics, Lisp/AI. 4.29 weighted / 3.59 unweighted GPA

References

Upon request

Distinctions

- Won the "Jankiest Quick Fix" award at Montgomery Blair High School's local hack day 2017
- Has had rm segfault and ls error
- Honor Roll student all semesters at Lewis & Clark and at Montgomery Blair