

# Maynard (legally, Eli Maynard)

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## Personal Projects

<b>ζ</b> 2021–now <a href="https://z.maynards.site">z.maynards.site</a>	<ul style="list-style-type: none"><li>• Personal Zettelkasten — ie, math notes and journaling</li><li>• Boasts features like: extensible formats, embedded TeX, link inference, inline footnotes, and a very tight feedback loop</li><li>• Javascript, HTML, Bash, Nix.</li></ul>
<b>@mathsproofbot</b> 2020 <a href="https://twitter.com/mathproofbot">twitter.com/mathproofbot</a>	<ul style="list-style-type: none"><li>• Automatically generates and Tweets proofs of first-order statements</li><li>• Python, Nix.</li></ul>
<b>Fitch</b> 2018 <a href="https://maynards.site/fitch">maynards.site/fitch</a>	<ul style="list-style-type: none"><li>• Interactive theorem assistant for Fitch-style natural deduction</li><li>• Originally Javascript, HTML, CSS; since rewritten in Purescript</li><li>• Used by a former teacher in his current logic classes!</li></ul>

- **QBPL (2022)**: Mood-tracking Telegram bot and visualizer. Javascript, HTML, Nix.
- **Hours (2021–2022)**: Lightweight time-tracking CLI. Still used by a coworker. Purescript, Nix.
- **local-postgres (2021)**: Minimally complete management of local PostgreSQL clusters. libpq, Bash, Nix.
- **Daygen (2021)**: Daily "life randomizer". [daygen.maynards.site](https://daygen.maynards.site). Purescript, HTML, Nix.

## Technical Skills

- **Langs**: Haskell, (Java|Pure|Type)script, Nix, HTML + (S)CSS, (Postgre)SQL, Elm, Python, Nim, C, Java
- **APIs**: Shpadoinkle, purescript-elmish, nodejs, VueJS, Flask + Jinja
- **Tools**: Git(Hub), purs-nix, Bash, Kakoune, (La)Tex, Excel

## Positions

<b>Platonic.Systems</b> Nov 2020–now Haskell contractor	<ul style="list-style-type: none"><li>• Full-stack Haskell development</li><li>• Haskell, Nix, PostgreSQL, Javascript, HTML, CSS</li></ul>
<b>University of Maryland</b> Jun 2018–Nov 2019 Intern	<ul style="list-style-type: none"><li>• Working under Prof. Gasarch in the Dept of Math to research approximations of the Van der Warden function from Ramsey Theory</li><li>• Utilized programming (Nim, Python) and pencil-and-paper math!</li></ul>

## Education

<b>University of Minnesota</b> Minneapolis, Minnesota 2021–2022	<ul style="list-style-type: none"><li>• Attended as a non-degree-seeking student</li><li>• Intro to Topology, Coding Theory, Intro to Modern Algebra</li></ul>
<b>Lewis and Clark College</b> Portland, Oregon 2019–2020	<ul style="list-style-type: none"><li>• Math + Computer Science track</li><li>• Computer Graphics, Linear Algebra</li><li>• 3.89 GPA</li></ul>
<b>Montgomery Blair</b> Silver Spring, Maryland 2016–2019	<ul style="list-style-type: none"><li>• Math, Science, Computer Science magnet program</li><li>• Statistics, Lisp/AI, Algorithms and Data Structures, Analysis of Algorithms, Graphics, Calculus I–III, Complex Analysis, Logic, Discrete Math, DiffEq</li><li>• 4.29 weighted / 3.59 unweighted GPA</li></ul>

## Honors & Awards

- Achieved Dean's Honor List both semesters at Lewis & Clark
- Exploravision Honorable Mention (top 10% of submissions) 2018
- Won the "Jankest Quick Fix" award at Montgomery Blair High School's local hack day 2017