

# Edward Kmett

Detroit, MI | [github.com/ekmett](https://github.com/ekmett) | [linkedin.com/in/ekmett](https://linkedin.com/in/ekmett)

## EDUCATION

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### Eastern Michigan University

*M.A., Mathematics*

Ypsilanti, MI

Aug 2023 — May 2027

- Grade: 4.0/4.0 GPA Grade: 4.0/4.0 GPA
- Completed in one semester, Goldenberg/Schrieber Scholarship
- Thesis: Plücker and Study Coordinates for Computational Geometry

### Eastern Michigan University

*B.S., Mathematics and Computer Science*

Ypsilanti, MI

Aug 2023 — May 2027

- Grade: 4.0/4.0 GPA Grade: 4.0/4.0 GPA
- University and Departmental Honors, summa cum laude
- Undergraduate Thesis: Real-Time Viseme Recognition with the Z-Transform and Gaussian Mixture Models

## WORK EXPERIENCE

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### Founder and Chief Scientist

Positron AI

Jan 2025 — Present

*Farmington Hills, MI*

### Founder and CTO

Positron AI

Apr 2023 — Jan 2025

*Farmington Hills, MI*

### Head of Technology and Architecture

Groq

Oct 2022 — Apr 2023

*California*

### Head of Software Engineering and Fellow

Groq

Jun 2021 — Oct 2022

*California*

### Senior Technical Advisor

Groq

Apr 2021 — Jun 2021

*California*

### Research Engineer

MIRI

Aug 2018 — Jun 2021

*Berkeley, CA*

### Senior Software Engineer

Digital Asset

Jul 2017 — Aug 2018

*Greater New York City Area*

- Worked as the language engineering development lead for the DAML smart contract language.

### Senior Software Engineering Lead

S&P Global Market Intelligence

Oct 2010 — Jul 2017

*Greater Boston Area*

- Designed and implemented scalable techniques for processing streaming data including portfolio attribution and factor backtesting.
- Designed and implemented the lazy, pure Haskell-like functional programming language Ermine in both Scala and Haskell for use in report generation inside of ClariFI and the larger Capital IQ ecosystem.
- I also do a great deal of community outreach to the Haskell and Scala communities. I chair the Haskell core libraries committee, run Boston Haskell, sit on the committee and run the Google Summer of Code for haskell.org, and maintain over 100 open source projects that are beneficial to both the open source community at large and S&P Capital IQ in particular, including the “monad transformer library” for Haskell and I help maintain “scalaz” the standard library for functional programming in Scala.

## SKILLS

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- Haskell, Computer Science, Algorithms