

# BRIAN RABERN

## Software Developer and Professor

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Bend, OR

in brian-rabern

brianrabern

G scholar

## LANGUAGES

JavaScript

Python

HTML

CSS

SQL

C

Markdown

T<sub>E</sub>X

## TOOLS

FastAPI

React

Django

MongoDB

Bootstrap

Tailwind

Docker

Git

## SKILLS

Analysis

Communication

Proofreading

Presentations

Technical Writing

Modeling

## PROJECTS

### FarmSeed |

- A seed project for building web applications using the FARM stack - FastAPI, React, and MongoDB.

### VennPlayground |

- Utilizes React components and SVG technology to generate and semantically evaluate Venn diagrams.

### MU Playground |

- Implementation of the logic for Hofstadter's proof system employing React components.

## ABOUT ME

As a software developer, I bring a distinctive blend of interpersonal, technical, and problem-solving skills, honed through my background as a philosophy and logic professor.

## EXPERIENCE

### Full Stack Engineer | [Elogic, Ltd.](#)

📅 2019 – present

📍 Edinburgh, Scotland

- Developed a web application for teaching first-order logic employing React, TypeScript, Tailwind, Python, Firebase, and Google Cloud.
- Leveraged Microsoft's Z3 Theorem Prover using a Python API to verify logical equivalence and produce models. (See my related open-source project "symbolify\_it".)

### Associated Faculty in Computer Science | [Oregon State University](#)

📅 2023 – present

📍 Bend, OR

- Taught class on technology and ethical issues related to artificial intelligence.
- Made educational content on multi-tier web applications using, e.g., Python, React.

### Professor | [University of Edinburgh](#)

📅 2013 – present

📍 Edinburgh, Scotland

- Published 30+ articles in top-tier peer reviewed journals. (see [here](#).)
- Managed large teaching team for Symbolic Logic with 400+ students.

## CERTIFICATIONS

### Advanced Software Engineering | [Hack Reactor](#)

📅 Dec 2022 – May 2023

📍 Online

- Constructed full-stack architectures with microservices and RESTful APIs.
- Demonstrated expertise in building dynamic user interfaces with React.

## EDUCATION

### PhD | [Australian National University](#)

📅 2012

📍 Canberra, Australia

- Research area: Logic and philosophy of language
- Dissertation title: The semantics of contextual shifting and sensitivity
- Supervisor: David Chalmers

### MA in Philosophy | [University of Colorado](#)

📅 2004

📍 Boulder, CO

### BA in Philosophy | [University of Oregon](#)

📅 2002

📍 Eugene, OR