

March 2019: Contributing to FOSS

Topic: Contributing to FOSS

If you've been around the open-source software community long, you've probably heard a hundred times how great it is to contribute to open source – how responsible, how empowering, how educational, how uplifting. But you may not have heard much about how to actually do it, and maybe unexplained jargon and techniques have deterred you.

So let's do a hands-on night of learning and trying out the techniques of open-source contribution. Bring a laptop if you have one, or we'll pair you up with somebody who does.

February 2019: State Machines

Topic: State Machines

(Or Rage Against the State Machines of Loving Grace)

Here's one of those terms that Real Computer Science people

toss around casually
that makes the rest of us feel intimidated. But they don't
have to be! We actually
all program state machines without even realizing it. By doing
it a little more
consciously, and optionally using a library designed for them,
you can make your
code cleaner and more explicit.

State machines (or Finite State Machines) are a cross-language
concept, but we'll
use the Python [transitions](#) library
to demonstrate them.

[Notebook](#)

December 2018: A Language from Scratch

Topic: A Language from Scratch

Marc Abel presents: A Language from Scratch

You may never need to write a programming language from the
ground up –
yet you can learn a ton from somebody who has. For our
November meeting,
Marc Abel showed us the parser for DDL-Basic, a loving tribute
to both

TRS-80 BASIC and our group. In December, he'll move on to the language implementation itself, showing how a language can be built from the ground up. It's turtles (of code) all the way down. You'll laugh, you'll learn, you'll leave a bigger person.

November 2018: Parsers

Topic: Parsers

Marc Abel presents Parsers!

As you read this sentence, your mind identifies the words, punctuation, and the boundaries of the sentence. Good job – your internal parser is working well.

To write your own languages, you'll need a parser – whether it's a full-fledged Turing complete language, or just a tiny special-purpose Domain Specific Language (DSL). Even if you don't, insight into how code is parsed helps you know and love your programming language better.

October 2018: Lua

Topic: Lua

Every new language you learn (even a little) stretches your brain.

Prepare yourself!

Lua is a lightweight scripting language designed primarily for embedded use in applications. It's got a lot in common with our

better-known dynamic languages like Perl, Python, and Ruby.

You

may already own apps, games, or microprocessors you could script

with Lua. Let's give it a spin!

Come enjoy dinner in our new meeting place upstairs at

Brixx Ice Co., meet inquisitive fellow programmers

(novice and veteran), have fun, and learn some great stuff.

- [Jupyter and Lua](#)
- [notebook](#)