

1978- **Michael Joshua Ryan** `luser.droog@gmail.com`  
3447 Connecticut St. 104 202-494-2570  
St. Louis, MO 63118

## Objective

I want to work where my skills and talents may be well utilized.  
I attempt to combine Renaissance aesthetics, cosmopolitan ethics, and scientific technique in the critique and construction of physical and conceptual artifacts.

## Education

- 1995-1996 In lieu of my senior year of high school,  
I received a GED, and took Russian 101 at UM - St. Louis,  
followed by a 6-month student exchange to Russia.
- 1996-2001 Accumulated 165 credit hours at UM - St. Louis, in an undirected, ill-advised survey of  
all the "interesting" classes in English, French, Russian, Fine Arts, Computer Science,  
Honors Symposia, and Communications.

## Employment

- 1998-2001 Student Programmer, UM-St. Louis Registrar's Office  
Perform `MARKIV` database queries (`MVS/TSO`) and reformat data (`UNIX`)  
to produce reports (`Line-Printer`) and address labels (`Postscript`).
- 2002-2019 Barista, Starbucks Coffee Co.

## Extracurricular

- 1989- Study the guitar, piano, bass, clarinet, music theory, songwriting.  
Rock, Folk, Jazz, Ragtime, Blues, Classical, Flamenco.  
UMSL Jazz Band, Jazz Ensemble, Pep Band, Concert Band.
- 1998-1999 "Redaktor" of the Pierre Laclède Honors College Student Association's *Brain Stew*.  
Designed and Edited monthly magazine using Pagemaker and various other tools.
- 1999-2000 Treasurer of the UMSL ACM Chapter. *Requisitioned "first" computer!*
- 1998-2003 Intense interest in programming languages and language implementation,  
graphics and graphics programming.
- 2007-present Resumed interest in programming with a goal to implement  
a clone of Sun Microsystems' *NeWS* graphical programming interface for `UNIX`.  
Participated in internet programming fora (`comp.lang.c`, `comp.lang.postscript`,  
`comp.unix.programmer`, and `stackoverflow.com`) under the name "luser droog",  
contributing programs, answers and questions.
- 2014-present Performed in local musicals with Stray Dog Theatre and Ignite Theatre  
on electric bass, upright bass, and electric guitar.

## Portfolio

- 2008-present `xpost`: A Level-1 Postscript Interpreter for GNU/Linux/X11 ([github.com/luser-dr00g/xpost](https://github.com/luser-dr00g/xpost)).  
`debug.ps`: A portable Debugger for PostScript ([github.com/luser-dr00g/debug.ps](https://github.com/luser-dr00g/debug.ps)).  
`pcomb`: Parser Combinators in C ([github.com/luser-dr00g/pcomb](https://github.com/luser-dr00g/pcomb)).

```

23
24 %!PS
25 %1-D Ragged Typesetting Engine
26 /top { 110 720 } def /bot 70 def /newpage { T top moveto } def /sigil<5E>def
27 /br { 0 lead neg rmoveto } def /hbr { 0 lead -0.5 mul rmoveto } def
28 /line{gsave sigil{search{show exch token pop exec exch}{show exit}ifelse}loop grestore}def
29 /rline { gsave dup stringwidth pop neg 0 rmoveto show grestore } def
30 /par { (\n) { search exch line not { exit } if br
31   currentpoint exch pop bot lt { showpage newpage } if } loop br } def
32 /settab{/tabstop currentpoint pop def}def /tab{tabstop currentpoint exch pop moveto}def
33 /fontproc { 3 dict begin /name exch def /lead exch def /x exch def
34   ({/name //x selectfont /lead //lead def}) token pop exch pop bind end } def
35 /B 11 13 /Palatino-Bold fontproc def
36 /I 10 11 /Palatino-Italic fontproc def
37 /R 10 11 /Palatino-Roman fontproc def
38 /T 9 11 /Courier fontproc def
39 /H 14 16 /Palatino-Bold fontproc def
40
41 (1978-      ) newpage rline
42 (Michael Joshua Ryan      ^settab ^T luser.droog@gmail.com) H par
43 (3447 Connecticut St. 104 ^tab 202-494-2570
44 St. Louis, MO 63118) R hbr par
45
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100 showpage

```

```

1 %!PS
2 %CV-Demo "Parasitic Quine Hack"
3 20 dict begin /sourcedict currentdict def /hack (
4 2 dict dup/Duplex true put dup/Tumble false put/setpagedevice dup where{pop cvx exec}{pop pop}ifelse
5 { /top { 45 582 } def /bot 422.5 def /lnum 0 def /++ { dup dup load 1 add store load } def
6 /line{gsave /lnum ++ (      ) cvs gsave -10 0 rmoveto rline grestore show grestore}def %line numbers
7 currentfile { dup read not {pop exit} if exch } loop %dump file on stack
8 count dup string dup 3 -1 roll 1 sub -1 0 { 4 -1 roll put dup } for pop %slurp data into a string
9 1 dict begin /prog exch def ({ //prog cvx end exec %execute program without dictionary
10 //sourcedict begin /newpage { gsave 0 792 translate -90 rotate T top moveto } def
11 //realshowpage /showpage load def %blue showpage to compose textboxes
12 /showpage { grestore /newpage/T 45 700 moveto /bot 0 def}def /showpage /realshowpage load def} def
13 /T 7 7.6 /Courier fontproc def newpage (%!PS
14 %CV-Demo "Parasitic Quine Hack"
15 20 dict begin /sourcedict currentdict def /hack ) dup dup length 1 sub 16#28 put par %type prolog
16 /hack dup length 2 sub 1 exch getinterval par %type hack
17 ( def hack cvx exec) dup 0 16#29 put par %type seam
18 /prog dup length 1 sub 0 exch getinterval par %type prog
19 410 107 translate .27 .27 scale 0 0 612 792 rectstroke //prog cvx end exec %draw thumb
20 }) token pop exch pop end exec } exec quit
21 def hack cvx exec
22

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