

# First M. Last

SOFTWARE DEVELOPER · EMBEDDED SYSTEMS

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## Skills

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- Strengths** C, Rebol, Red
- Familiarity** C++, LaTeX, Ladder Logic (PLC5), Java, Scheme, HTML, CSS, JSON, XML
- Platforms** Linux, Windows, ARM STM32
- Tools** Git, GCC, Eclipse/SW4STM32

## Projects

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### Classroom Math Robot Learning System

- Collaborated with researcher at University to create classroom mathematics learning system using Linkbots and iPads using a combination of Rebol, Red, & Lua (CoronaSDK)
- Designed and implemented a robot control server, classroom monitor server, and the communication protocols between students' iPads and servers.

### Open Source Programming Language Development

- Implemented serial communication interface abstraction layer using C for Rebol 3 Programming language
- Isolated bugs down to simple test cases for use in testing

### Chip8 Emulator

- Implemented virtual machine that runs binary programs with visual display using C++ and SDL2.

## Experience

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### University

LECTURER

*Somewhere*

*2009 – 2010, 2011 – present*

- Honed interpersonal communication skills & course materials provide streamlined value for learners.

### Information Technology, University

INFORMATION SPECIALIST

*Somewhere*

*2005 – 2008, 2010 – 2011*

- Took initiative to replace a shoddy staff location tracking software with a functional application using ODBC & Rebol.
- Developed expertise at aiding and supporting non-technical users with technology needs.

### Department of Anthropology, University

STUDENT PROGRAMMER

*Somewhere*

*Summer 2008*

- Purified, parsed and converted data from various source document into usable data.
- Devised output data format to aid anthropologists in consistency checking in dictionary creation.

### Department of Aerospace Engineering, University

PROGRAMMING INTERN

*Somewhere*

*Summer 2004*

- Performed research on developing a remote HUD for a Yamaha R-Max helicopter

## Education

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### University

M.A. IN EDUCATION - CURRICULUM & TEACHING

*Somewhere*

*2009*

- Wrote two winning proposals for the Foreign Language Area Studies Grant

### College

B.A. IN COMPUTER SCIENCE

*Somewhere*

*2005*

- Awarded the Robert Noyce & Intel Programming Internship Grant.