Mitchell Mosure

Address	12 Lathrop St, Madison, WI 53726
Cell	(608) 440-8010
Email	mitchell@mosure.me *(preferred)*
Website	*mitchell.mosure.me*
GitHub	*github.com/mosure*

Abstract

Seeking a full-time position as a software/computer/electrical engineer. Special interests in machine learning, artificial general intelligence, consciousness, optimization, full-stack development, circuit design, computer graphics, parallel systems, physical vapor deposition, and automation.

Education

University of Wisconsin - Madison
Majors: B.S. Computer Science with Mathematics Option
- **Expected Completion:** December 2019
- **GPA to Date:** 3.277/4.000
- **Credits to Date:** 127

Experience

CTech Manufacturing, Weston, WI
Position: Software Engineering Internship, September 2014 - September 2019
- Developed nesting and machine code optimization software for an AXYZ CNC
- Developed a parametric configuration framework for BOM use
- Developed monitoring and reporting devices for critical hardware and processes
- Developed shop routing and scheduling optimizer
- Engineered testing modules for various products and software
- Engineered products in several CAD/CAM suites
- Extensive Angular and ASP.NET Core Usage

Sudo.X LLC, Madison, WI
Position: Founder, April 2017 - Present
- Transcend Madison competition entity
- Managed team organization and product design
- Extensive use of GitHub, AWS, React, Node.js, and Python

Skills

Programming Skills

C#, TypeScript, Javascript, Angular, React, ReactiveX, .NET Core, Node.js, WPF, ASP.NET, Java, MongoDB, gRPC, SQL, PowerBuilder, Bash, Python 3, Flask, Django, HTML, ODBC, C++, C, Go, Matlab, CSS, MIPS, x86, Verilog

Tools

Visual Studio Code, Visual Studio, Git, Azure DevOps, Autodesk Suite, TFS, AWS, PyCharm, Arduino IDE, Android Studio, IntelliJ, WebStorm, DBeaver, Robo 3T (formerly Robomongo), Quartus 16, Atmel Studio 7, Adobe Suite, Office Suite, Vim, TensorFlow, OpenGL, Unity 3D, PennSim, Eclipse, Infomaker 9/12, Icarus Verilog

Operating Systems

Windows 98, Windows 7, Windows 10, Ubuntu 16.04, Raspbian, OS X

Hardware

AVR, Arduino, Raspberry Pi, Various PLCs, PCB Development, 3D Printing, DC Sputtering Magnetron